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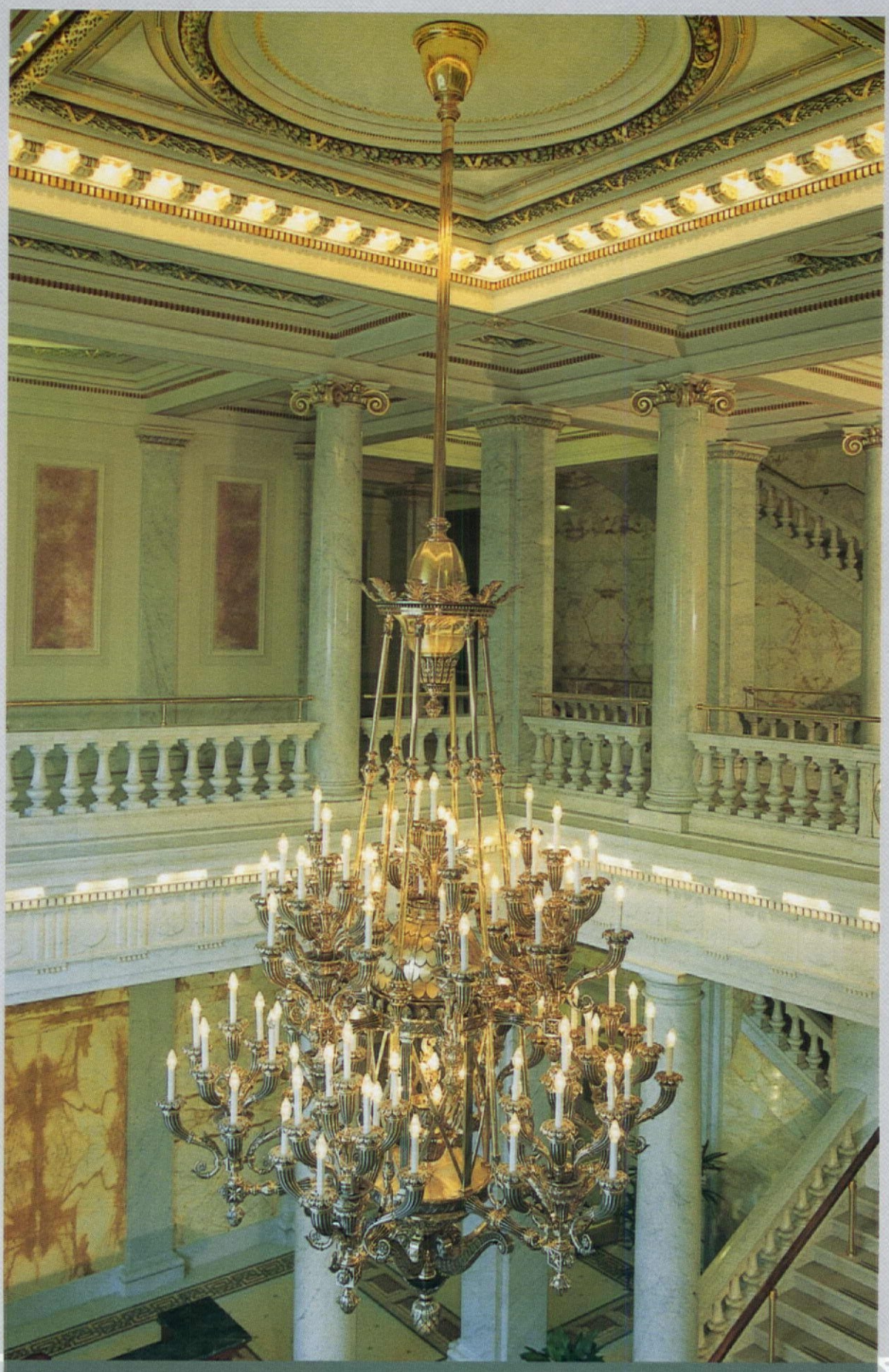

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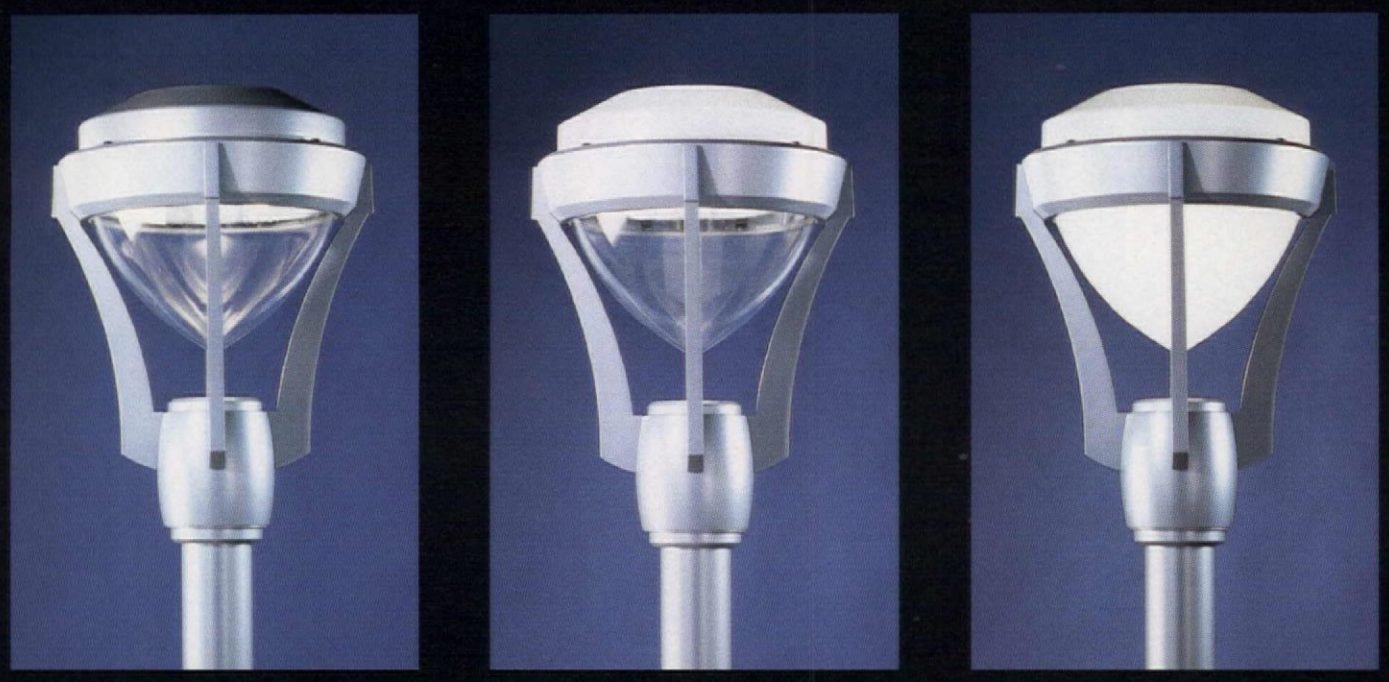

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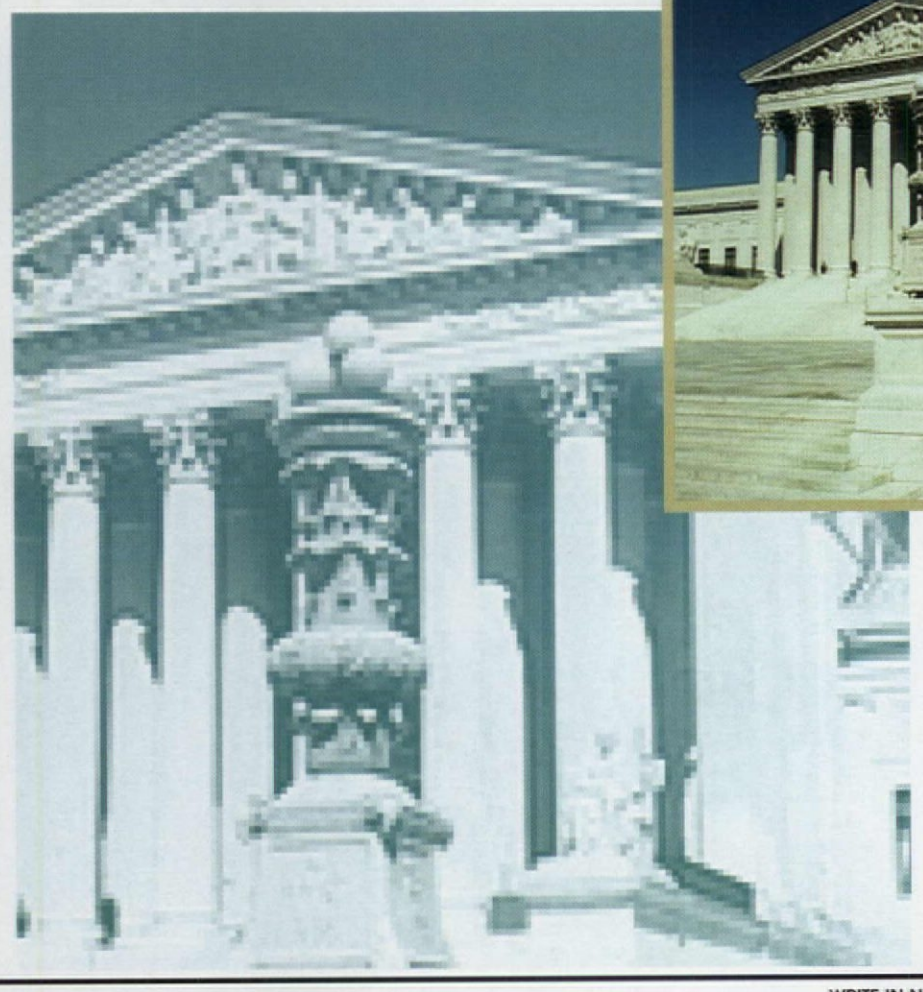

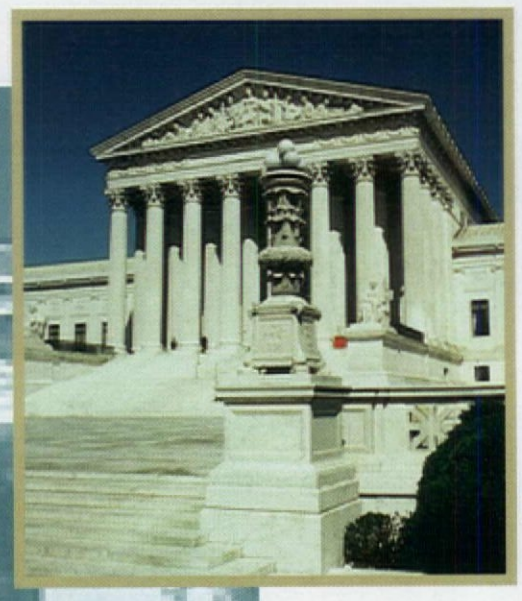

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Gathering the Trades

International Preservation Trades Workshop 2000, there is not another event like it in the preservation industry. In the popular tradition of show and tell, you will find at IPTW 2000 a mishmash of hands-on demonstrations by skilled preservation trades, educational presentations and round-table discussions. This is a convergence of architecture and craft. You will find education, networking, theater, political discourse, philosophy of the head, and heart of the hands. Harrisburg, Pennsylvania Farm Show Complex on November 13-15, 2000. The following is a sampler; if you find it all confusing then come help us sort it out. Preservation Trades Network, for the trades, by the trades. Check us out on the web or call for additional information.

The Cosmetic Façade Lift Surgery Workshop by Dr. Chop N. Splice. Lessons Learned at My Grandfather's Knee andOther Low Joints. How to Cram 6,000 Years of Masonry Into a Teenage Brain in Four Years or Less Without Causing Permanent Brain Damage. How to Make a Brick, 18th Century Style. Scagliola. Pennsylvania Historical Museums Commission. Phoenix or Forgotten, Raisings from the Ashes. Whitehill Revisited. Charcoal Burn. Joe Jenkins. Jim Hicks. Smithsonian. Simon Herbert. Arron Sturgis. Bobby Watt. Christine Trowbridge. Carpentry & Window Sash Repair. Paint Restoration. Richard Moraux. Christophe Dissaux. U. S. Heritage. Concrete History Tour. Michael Devonshire. Timber Framing. Daniel Peterson. Raoul Milan. Joe Sembrat. Mike Edison. Fritz Wanner. Marjorie Hunt. Early American Homes. Brian Ridout. The Restoration Trades Exchange. If My Memory Serves Me Well. Conservation of the Barnard Statuary Group at the PA State Capital. Barry Loveland. Bryan Blundell. Robert Finley. Molly Van Meter. Mid Atlantic Associationof Museums. Bob Dickensheetes. Traditional Building. Dick Warner. Etymology and Timber Structures in Vietnam, Turkey and Europe. National Park Service. Noel Poirer. Reverend Rhodes. Mike Logan. Masonry. William Ross. Michael Davidson. Hay Barrack Workshop. Vitetta Group. Duffy Hoffman. Nick Micros. Carole Briggs. PRG. Rob Cagnetta. Dr. Thomas Parker. Eileen Miller. Traditional Paint Manufacture. John Milner Associates. Rich Susca. Elementary Iron Beating. Façade Gommage. Chris McGuigan. Shade Tree Stone Masons. Rye Flailing. Kate Ottavino. Bhavnani & King. Keith Blades. Misia Leonard. John Bowie Associates. Plaster. Jimmy Price. Deb Bledsoe. Shaman. Landis Valley. Thomas McLane. Lime Burn. David Via. Drumlin Enterprises. Robert McKee. Appalachian Brewery. IPM. Tom Yager. Norman Weiss. Mark Clark. Cork Flooring History & Restoration. Philip Marshall. Staying on Top of Things - Slate & Tile Roof Restoration. Jeffrey Collins. Bill Gould. Beth Miller. David Dauerty. David Hayles. Robert Armbruster. Kim Lovejoy. Richard Byrne. Joan Berkowitz. Lisa Sasser. Association for Preservation Technology International. Ruth Ann Hubbard-Kemper. Basic Marketing. Restoration of Exposed Aggregate Concrete - Sculpture and Architecture. Bruce Midkiff. C. G. Bostwick. Bobby Watt. Gary Baer. Ornamental Plaster Restoration. David Flaherty. Dale Frens. Rory Brennan. Business of Preservation. Andy Happ. Rudy Christian. Tim Finch. Building Better Building Documents. Tom Moore. John Freidrichs. John Fugelso. David Gibney. Glen Alf. Historic Masonry Through a New Set of Glasses. David Woodcock. PA German Side Lap Shingles. Tom McGrath. Fackeling Around. Say what?

The EDUCATION CHALLENGE for PTN is that preservation crafts are a resource to the preservation industry — as with any resource the trades need to be nurtured and maintained in good health. Can we identify different types or levels of preservation education? Is there an ideal model of preservation craftsperson? Is there something wrong with wanting to be good at sawing wood? Has the traditional model for preservation training become outdated? Is there a gap between investment in theory and investment in field practice? What is the best scope or range of preservation training needed for the future? Is there spontaneous education of the preservation craftsperson, or does heritage conservation require a long-range strategy to include the trades? Do the hands-on trades get the short end of the stick in education funding? Can we think a building to fix itself, or do we need someone handy with a trowel and mash hammer? Will preservation trades invest in themselves as a community? Have engineers, architects and some other professionals become too distanced from the necessary contributions of the craftsperson, and if so, what chastisement can and should they be subjected to? Are the preservation trades second-class citizens? Is maintaining the status quo the best solution? PTN will only settle on the bottom line: Honest Stock, Honest Goods, Honest Labor, Honest Wages, Honest Value.

We hope to see everyone at the Gathering of the Trades, so haul your stones on over.

PTN is a Task Force of APT. More information on IPTW 2000 is available at the website www.ptn.org or contact PTN at 631-281-1348 (info@ptn.org) for additional information. Preservation Trades Network, PO Box 257, Mastic, NY 11950, 631-281-1348.

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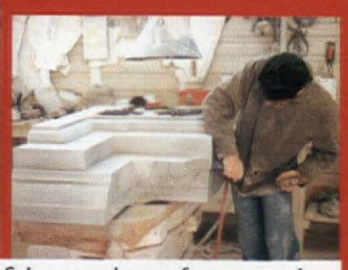

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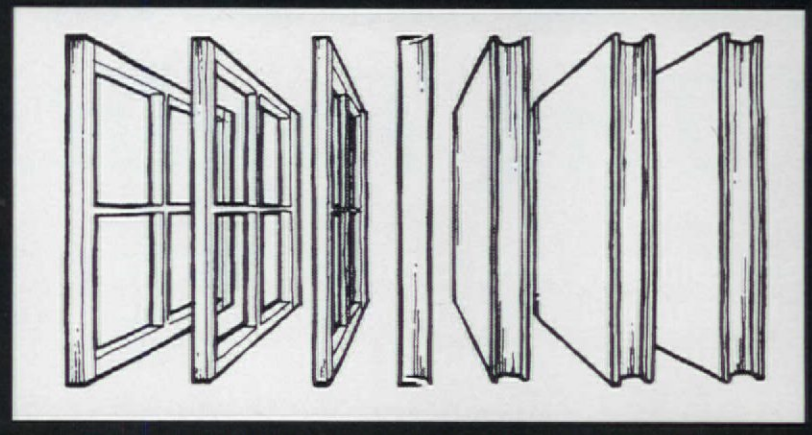

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WRITE IN NO. 3030

CALENDAR OF EVENTS

PRESERVATION OF MASONRY STRUCTURES. A one-day workshop on evaluation and repair of masonry wall systems is being held **Sat., Nov. 11, 2000,** in New York City at the Brickwork Design Center. For detailed program information and reservations at $200 per person, contact Michael Gurevich at (212) 684-4229. Or fax (212) 686-4387.

4th ANNUAL INTL. PRESERVATION TRADES WORKSHOP. IPTW 2000 will be held **Nov. 13-15, 2000** at the Pennsylvania Farm Show Complex in Harrisburg, PA. IPTW 2000 will explore the theme "Convergence: Architecture and Craft" through demonstrations, presentations, and round-table discussions. Preservation tradespeople will demonstrate a variety of skills and traditional crafts, as well as the application of new techniques and technologies in the preservation of historic structures. For more information, log onto www.iptw.org. Or contact the Preservation Trades Network at phone (703) 406-8319, or fax (703) 450-0119.

SCAGLIOLA WORKSHOP. Five-day hands-on workshop on scagliola covers everything from grinding and mixing pigments to actually making and polishing the "scag." Workshop is being held **Mon., Jan. 8, to Fri., Jan. 12, 2001** in Essex, N.Y., on Lake Champlain. Total cost of Workshop package is $1,400. For more details, contact Michael J. Kempster at 800-352-5915.

RESTORATION SHOW/2001. The Restoration & Renovation Show & Conference will move to Washington, D.C., **January 15-17, 2001.** For more information, call (800) 982-6247, or log onto the Show Website at www.egiexhib.com.

PRESERVATION EXPO 2001. The Saratoga Springs Preservation Foundation will hold its 3rd Annual Preservation Expo **Feb. 24-25, 2001** at the City Center in Saratoga Springs, N.Y. The Expo will feature specialty products, artisans, and resources for the preservation, restoration, and renovation of historic buildings, in addition to seminars and workshops. For more information, log onto www.saratogapreservation.org.

AIA 2001 NATIONAL CONVENTION & EXPO. The Denver Colorado Convention Center will be host to the Am. Institute of Architect's Annual Meeting and Expo, **May 17-19, 2001.** Theme for the Meeting is "Leaders and Partners in Creating Community." AIA members can earn the 18 Learning Unit hours needed to maintain AIA membership while in Denver. **TRADITIONAL BUILDING** Magazine will be sponsoring Restoration Products Pavilion at the Expo. For more information on the Expo and Restoration Products Pavilion, Fax (718) 636-0750.

WORKSHOPS: ORNAMENTAL PLASTER, SCAGLIOLA, VENETIAN PLASTER. Master craftsman conducts hands-on workshops in all of the traditional ornamental "wet plaster" skills throughout 2001. Workshops run from one to several days; customized workshops can also be arranged. For details and schedule, log onto www.masterofplaster.com, or call 800-352-5915.

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WRITE IN NO. 3112

Architectural Antiques & Salvaged Building Materials

If an antique is what your client demands, the following list will provide you with a very good cross section of architectural ornament, furnishings, and salvaged building materials. The **Product Index** (below and on page 12) is a general overview of what any one dealer will have at any particular time. It will give you a sense of what their inventory typically includes, *but inventory will vary*. The **Architectural Antiques Portfolio** (pp. 15-20) shows a sampling of what the companies may have to offer. Many of these companies will send snapshots if you call or fax with a specific request; conversely, you can fax a drawing or photo of what you're seeking. To contact any of these companies, see the ***SourceList*** on pp. 13 & 14.

INDEX OF SUPPLIERS BY PRODUCT CATEGORY

Antique Beams & Boards

Aged Woods, Inc.
America Heart Pine, Inc.
Amish Timber Framers
Antique Building Materials
Antique Woods & Colonial Restorations, Inc.
Architectural Artifacts
Architectural Timber & Millwork
Asheville Architectural
Authentic Wood Floors, Inc.
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Carlisle Restoration Lumber
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Centre Mills Antique Floors
Chestnut Specialists, Inc.
Chestnut Woodworking & Antique Flooring
Christopher D. Hess, Inc.
Conklin's Authentic Barnwood
Country Road Associates, Ltd.
Country Settings, Inc.
Duluth Timber Co.
Eagle Creek Designs
Goodwin Heart Pine Co.
Harvey Millwork, Inc.
Henderson Corporation
Lancaster County Timber Frames
Leatherwood, Inc.
Longleaf Lumber
Mountain Lumber Co.
Normandy Imports, Ltd.
Northeast Millwork Corp.
P&C Imports, Ltd.
Patina Woods Co.
Pioneer Millworks
Precision Woodworks
Preservation Hall
Salisbury Woodworking
T.P. Higgins Co.
The Woods Company
Timeless Timber
Vermont Timber Frames, Inc.
Vintage Log & Lumber, Inc.

Antique-Restoration Services

Aardvark Antiques
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Aurora Lampworks
Ball & Ball Hardware
Bathroom Machineries, DEA
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Kronenberger & Sons Restoration
Leatherwood, Inc.
Luminaria Lighting
Renaissance Antique Lighting

Art Glass

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Chestnut Oak Company
Country Settings, Inc.
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Red Suspenders Timber Frames
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Bars & Back Bars

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Ceramic Tile

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Chimney Pots

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Chimney Pot Shoppe
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Flooring

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The Woods Company
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Fountains

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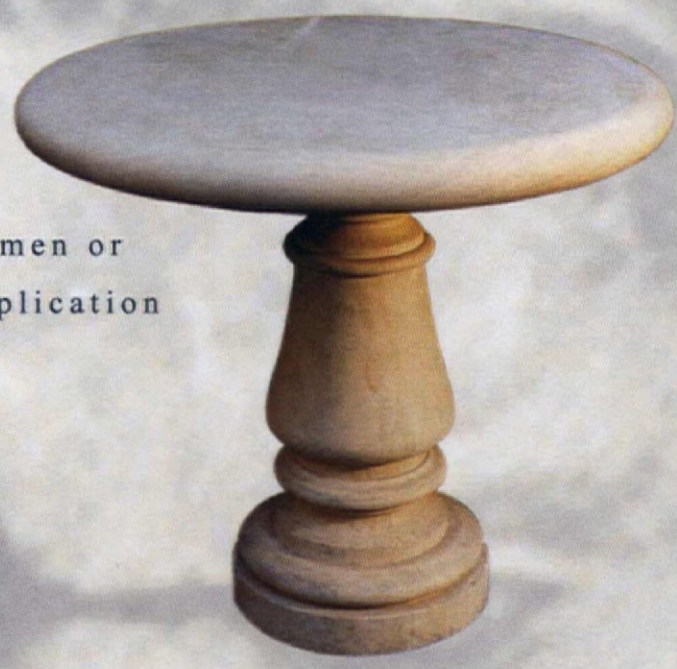

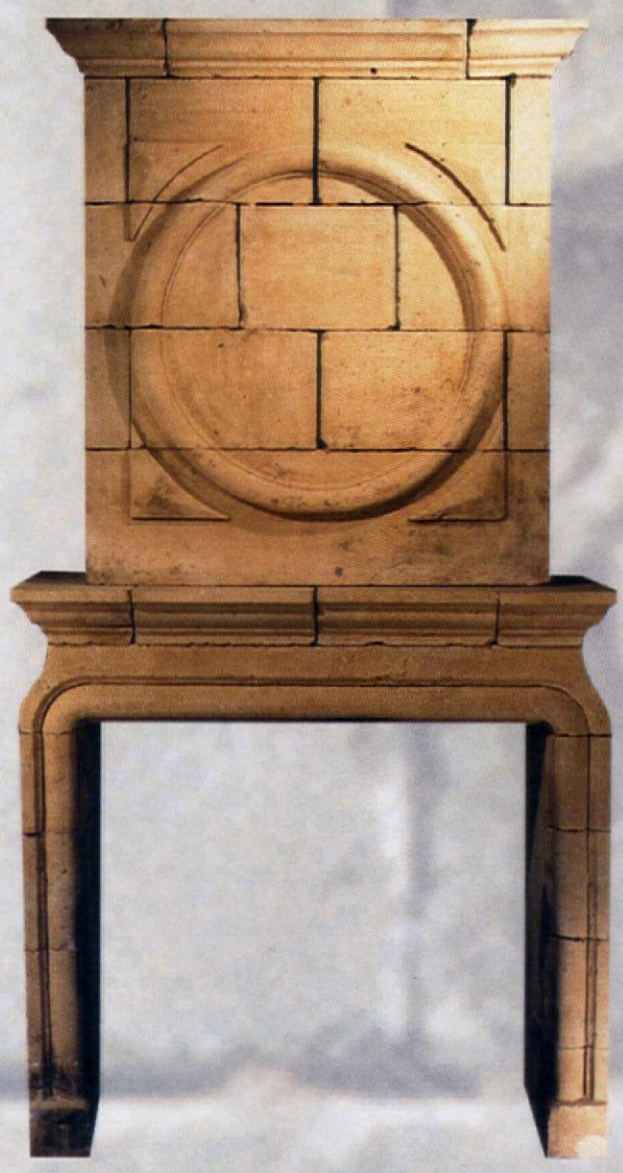

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Vintage Plumbing

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Goodwin Heart Pine Co.
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Northeast Millwork Corp.
Off the Wall Architectural Antiques
P&C Imports, Ltd.
Pioneer Millworks
Preservation Hall
Reclamation Services, Ltd.
Recycling The Past
Salisbury Woodworking
Southern Accents Arch. Antiques
T.P. Higgins Co.
The Woods Company
Tile Roofs, Inc.
Timber & Stone Restorations
Timeless Timber
Tony's Architectural Salvage
Vintage Log & Lumber, Inc.
Wooden Nickel Architectural Antiques

Salvaged Roofing Materials

Antique Building Materials
Antique Woods & Colonial Restorations, Inc.
Architectural Artifacts
Barn People, The
Bear Creek Lumber
Big Spring Preservation Group
Brandt, Sylvan
Carlisle Restoration Lumber
Carlson's Barnwood Co.
Conklin's Authentic Barnwood
Country Settings, Inc.
Duluth Timber Co.
Leatherwood, Inc.
Normandy Imports, Ltd.
P&C Imports, Ltd.
Pioneer Millworks
Preservation Hall
Renaissance Roofing, Inc.
Roof Tile & Slate Co.

Salvaged Stone

Aardvark Antiques
America Heart Pine, Inc.
Architectural Artifacts
Architectural Heritage, Inc.
Big Spring Preservation Group
Brass Knob
Carlisle Restoration Lumber
Conklin's Authentic Barnwood
Country Flair Tile
Duluth Timber Co.
Eagle Creek Designs
Harvey Millwork, Inc.
Longleaf Lumber
Materials Unlimited
Off the Wall Architectural Antiques
P&C Imports, Ltd.
Pioneer Millworks
Recycling The Past
The Woods Company
Wooden Nickel Architectural Antiques

Siding

Aardvark Antiques
Andy Thornton Architectural Antiques, Ltd.
Asheville Architectural
Big Spring Preservation Group
Carlson's Barnwood Co.
DHS Designs
Eagle Creek Designs
Golden Movement Emporium
Sylvan Brandt

Stair Parts

Aardvark Antiques
America Heart Pine, Inc.
Architectural Antiques Exchange
Architectural Artifacts
Architectural Artifacts
Architectural Heritage, Inc.
Architectural Salvage Inc., W.D.
Architectural Salvage Warehouse
Asheville Architectural
Bear Creek Lumber
Big Spring Preservation Group
Brass Knob's Back Doors
Carlisle Restoration Lumber
Carlson's Barnwood Co.
Duluth Timber Co.
Guilded Salvage Antiques
Harvey Millwork, Inc.
Longleaf Lumber
Precision Woodworks
Preservation Hall
Recycling The Past
Salisbury Woodworking
Southern Accents Arch. Antiques

Statuary

Adkins Architectural Antiques
Architectural Artifacts
Architectural Heritage, Inc.
English Garden Antiques
P&C Imports, Ltd.
Reclamation Services, Ltd.
Recycling The Past
Wooden Nickel Architectural Antiques

Stoves & Ranges

Decorum, Inc.
Good Time Stove Co.

Street Fixtures & Furnishings

Renaissance Companies

Wainscoting

Aardvark Antiques
Architectural Antiques Exchange
Asheville Architectural
Big Spring Preservation Group
Brandt, Sylvan
Brass Knob's Back Doors
Carlson's Barnwood Co.
Golden Movement Emporium
Leatherwood, Inc.
Precision Woodworks
Preservation Hall
Southern Accents Arch. Antiques

Weathervanes

Aardvark Antiques
Andy Thornton Architectural Antiques, Ltd.
Architectural Salvage Inc., W.D.
Big Spring Preservation Group
Country Settings, Inc.
Duluth Timber Co.
Durable Slate Co.
Kronenberger & Sons Restoration
Mantels of Yesteryear
P&C Imports, Ltd.
Red Suspenders Timber Frames
Southern Accents Arch. Antiques
Tile Roofs, Inc.

Windows

Andy Thornton Architectural Antiques, Ltd.
Antique Building Materials
Architectural Antiques Exchange
Architectural Artifacts
Architectural Salvage Inc., W.D.
Architectural Salvage Warehouse
Asheville Architectural
Big Spring Preservation Group
Brass Knob's Back Doors
Carlson's Barnwood Co.
Decorum, Inc.
Guilded Salvage Antiques
Off the Wall Architectural Antiques
Preservation Hall
Recycling The Past
Tony's Architectural Salvage

TRADITIONAL BUILDING'S ARCHITECTURAL ANTIQUES *SourceList*

COMPILED BY COLE GAGNE

COMPANY	SPECIALTY	Literature
Aardvark Antiques www.aardvarkantiques.com 800-446-1052; Fax: 401-849-1591 475 Thames St. Newport, RI 02840	Grand iron gates from Newport's "Gilded Age." Hundreds of pieces available. Also fencing, window grates, balconies, and paladium grates.	Free Write in No. 718
Adkins Architectural Antiques www.adkinsantiques.com 800-522-6547; Fax: 713-529-8253 3515 Fannin St. Houston, TX 77004	Fireplaces; cast-iron and -aluminum garden products: street lights, urns, fountains, mailboxes, furniture, iron fencing, gates, and bells; cast-stone, -concrete, and -aluminum statuary; retail, wholesale, rental.	Free Write in No. 2681
Aged Woods, Inc. www.agedwoods.com 800-233-9307; Fax: 717-840-1468 2331 East Market Street York, PA 17402	Rustic, recycled antique woods and beams for T&G plank flooring, timber framing, paneling, stair parts, moldings, and in dimensional form for cabinetry. Kiln-dried and milled. Wide plank, random-width, and antique flooring.	Free Write in No. 1320
Al Bar-Wilmette Platers 847-251-0187; Fax: 847-251-0281 127 Green Bay Road Wilmette, IL 60091	Preservation of old door and window hardware for professionals & homeowners; repair, clean, polish, and plate; all finishes: brass, bronze, copper, nickel, and chrome. Salvaged hardware.	Free Write in No. 2636
Allen's Antique Lighting www.antiquelight.com 888-269-7025; Fax: 978-688-6466 45 Elm St. North Andover, MA 01845	Quality period lighting, ca. 1840-1920: Chandeliers, wall sconces, table & floor lamps in Rococo, Renaissance, Aesthetic Movement, & late Victorian styles. No reproductions. Also, reference books on American gas & early electric lighting.	Free
America Heart Pine, Inc. www.americaheartpine.com 800-554-5765; Fax: 901-382-0577 5089 Covington Pike Arlington, TN 38002	Specialist in antique heart-pine. Oak, pine, heart pine, chestnut, maple, cypress, and Douglas fir in new cut or vintage stock; other species available. Flooring, cabinets, door stock, molding, stair parts, air vents, beams.	Free Write in No. 4060
Amish Timber Framers www.amishtimberframers.com 800-392-8789; Fax: 330-658-5690 11627 Hametown Road Doylestown, OH 44230	Specialist in the design and construction of barns and specialty trusses. No project too small or large, including work on commercial structures: bridges, golf pavilions, wineries, churches, etc. Antique timbers & lumber available.	Free
Andy Thornton Architectural Antiques, Ltd. www.ataa.co.uk +44-1422-377314 Fax: +44-1422-310372 Victoria Mills, Stainland Rd., Greetland Halifax, W. Yorkshire, UK HX4 8AD	Europe's largest supplier of architectural antiques & decor. From fireplaces, garden ornament, furniture, doors, paneling, decorative glass to lighting, entryways, & Gothic church fittings. Architectural-antiques directory available.	Free Write in No. 2736
Antique Building Materials www.ancientmaterials.com 619-583-3791; Fax: 619-583-9087 6152 Wenrich Dr. San Diego, CA 92120	USA company imports from France and Spain, and has a long relationship with the top European reclamation businesses.	Free
Antique Woods & Colonial Restorations, Inc. www.vintagewoods.com 610-367-8193; Fax: 610-367-6911 1273 Reading Ave. Boyertown, PA 19512	Source of resawn and recovered vintage wood flooring, siding, beams, and mantels. Also, antique timber frames.	Free Write in No. 101
Architectural Antiques www.victorian-revival.com 613-722-1510; Fax: 613-722-1998 356 Richmond Road Ottawa, ON, CANADA K2A 0E8	Source of interior and exterior restored lighting fixtures; also, antique iron.	Free
Architectural Antiques Exchange www.architecturalantiques.com 215-922-3669; Fax: 215-922-3680 715 N. Second St. Philadelphia, PA 19123	Architectural salvage, including antique and reproduction wood and marble mantels, doors, ornate armoires, street lamps, leaded and beveled glass, mirrors, bars, signs, urns, paneling, and lighting.	Free
Architectural Artifacts www.architecturalartifacts.com 419-243-6916; Fax: 419-243-0094 20 South Ontario St. Toledo, OH 43602	Over 20,000 sq.ft. of cool stuff for new construction or remodeling, from the everyday door to exquisitely carved marble. Firm salvages everywhere and ships anything anywhere.	Free
Architectural Artifacts www.abqueencity.com 303-292-6012; Fax: 303-403-0886 2207 Larimer St. Denver, CO 80205	22,000 sq.ft. of inside retail and warehouse space filled with antique doors, mantels, porch posts, door hardware, built-in cabinets, claw tubs, tin ceilings, and more. Services available.	Free
Architectural Heritage, Inc. www.architecturalheritage.com 205-322-3538; Fax: 205-323-0084 2807 Second Ave. South Birmingham, AL 35233	European architectural antiques for garden & home; wide selection of doors, mantels, garden elements, outdoor lighting, other unusual items. For building, refurbishing, or redecorating are likely to find that one-of-a-kind piece to make the project unique.	Free Write in No. 2638
Architectural Salvage Inc., W.D. www.architecturalsalvage.com 502-589-0670; Fax: 502-589-4024 614-618 E. Broadway Louisville, KY 40202	Architectural antiques & decor including stock & custom leaded-glass entryways, custom-design ironwork, & art glass. Since 1895, incorporating old & new for designers, builders, individuals; 12,000-sq.ft. assortment of architectural elements.	Free
Architectural Salvage Warehouse www.architecturalsalvagevt.com 802-658-5011; Fax: Same as phone 53 Main Street Burlington, VT 05401	Company buys and sells salvaged architectural antiques from old houses in the Northeast. Has moved to a new facility at 53 Main Street in Burlington, VT 05401; website updated weekly.	Free
Architectural Timber & Millwork www.atimber.com 800-430-5473; Fax: 413-586-3046 P.O. Box 719 Hadley, MA 01035	Fabrication of cupolas, steeples, and domes; survey, design, structural, ornamental fabrication, rigging, and installation services for historic structures. Timber-framing. Also, wide-plank flooring; doors, columns, cabinetry, more.	Free Write in No. 1323
Asheville Architectural www.ashevillearchitectural.com 828-281-2600; Fax: 828-645-1047 23 Rankin Ave. Asheville, NC 28801	Large inventory of salvaged building materials; design and consultation capabilities.	Free
Aurora Lampworks www.auroralampworks.com 718-384-6039; Fax: 718-384-6198 172-174 North 11 St. Brooklyn, NY 11211	Restoration and replication of antique and custom lighting fixtures; residential, commercial, institutional. UL shop. Email: auroralamp@aol.com	Free Write in No. 517
Authentic Wood Floors, Inc. 800-765-3966; Fax: 717-428-0464 P.O. Box 153 Glen Rock, PA 17327	Lumber reclaimed from barns and warehouses and recycled into flooring, beams, paneling, molding, wainscoting, etc. Company mills and kiln-dries product.	Free Write in No. 8000
Ball & Ball Hardware www.ballandball-us.com 610-363-7330; Fax: 610-363-7639 463 W. Lincoln Hwy. Exton, PA 19341	Manufactures historically accurate copies of 18th-, 19th-, and 20th-century builder's hardware and lighting. Broad line of furniture hardware and fireplace tools; repairs and sells antique hardware; custom reproductions.	Free Write in No. 2930

COMPANY	SPECIALTY	Literature
Barn People, The www.thebarnpeople.com 802-674-5898; Fax: 802-674-6310 2218 US Rt. 5 North Windsor, VT 05089	Splendid inventory of restored antique NE barn frames which firm will reassemble anywhere for adaptive reuse.	Free
Bathroom Machineries, DEA www.deabath.com 209-728-2031; Fax: 209-728-2320 495 Main Street Murphys, CA 95247	Early American and Victorian bathroom fixtures & accessories. Antique and reproduction clawfoot tubs, high-tank toilets, pedestal sinks, original light fixtures, original medicine cabinets, mirrors, and many one-of-a-kind items.	Free Write in No. 5860
Bear Creek Lumber www.bearcreeklumber.com 800-597-7191; Fax: 509-997-2040 P.O. Box 669 Winthrop, WA 98862	Full line of wood shakes and shingles, including fancy-cut shingles. Wood species include red cedar and yellow cedar.	Free Write in No. 521
Big Spring Preservation Group, Inc. 423-787-9373; Fax: 423-787-9312 P.O. Box 325 Greeneville, TN 37744	National specialist in the restoration of antique log and timber-frame buildings. Also post-&-beam barns. Antique building materials: beams, flooring, paneling, doors, windows, mantels.	Free
Brandt, Sylvan www.sylvanbrandt.com 717-626-4520; Fax: 717-626-5867 651 East Main Street Lititz, PA 17543	18th- and 19th-century building materials salvaged from old houses and barns. Specialist in antique and resawn flooring. Roof rafters, floor joists, and antique glass also available.	Free Write in No. 3950
Brass Knob www.thebrassknob.com 202-332-3370; Fax: 202-332-5594 2311 18th St. NW Washington, DC 20009	Stocks authentic antique hardware, restored lighting, mantels, stained glass, and a variety of architectural decorative items ranging in styles from Federal to Victorian Rococo, Eastlake to Colonial Revival, Art Nouveau, & Art Deco.	Free
Brass Knob's Back Doors www.thebrassknob.com 202-265-0587; Fax: 202-265-0789 2329 Champlain St. NW Washington, DC 20009	Warehouse stocks large antique and reclaimed architectural elements, including doors, windows, clawfoot tubs, pedestal sinks, radiators, iron fencing, mantels, columns & pediments for restorations, renovations, or new applications.	Free
Carlisle Restoration Lumber www.wideplankflooring.com 800-595-9663; Fax: 603-446-3540 1676 Route 9 Stoddard, NH 03464	Custom-crafted wide-plank floors in widths up to 20 in. and lengths up to 16 ft., in both antique/reclaimed planking or newly sawn old-growth material. Every floor is graded and dried to re-create the look of hand-crafted floors.	Free Write in No. 5580
Carlson's Barnwood Co. www.carlsonsbarnwood.com 309-522-5550; Fax: 309-522-5123 8066 N. 1200 Ave. Cambridge, IL 61238	Reclaimed antique barnwood flooring and planks at wholesale prices. Also sells barn beams, old roofing tin, pressed-tin ceiling panels, and architectural antiques.	Free
Cavalier Antique Lighting 773-728-8911; Fax: 773-728-8989 4412 N. Ashland Ave. Chicago, IL 60640	Chicago's oldest antique-lighting shop. Huge assortment of Victorian, A&C, Deco, Nouveau chandeliers, wall sconces, floor, emeralite desk, bent-panel table lamps. Plating of all metals, any finish; also, architectural door hardware.	Free
Centre Mills Antique Floors www.igateway.com/mall/homeimp/wood/index.htm 717-334-0249; Fax: 717-334-6223 P.O. Box 16 Aspers, PA 17304	Original period log cabins; antique flooring; hewn logs for rafters and joists (structural and decorative); doors; decorative architectural elements; porch posts; wavy glass; more.	Free Write in No. 1740
Chestnut Oak Company www.chestnutoakcompany.com 860-668-0382; Fax: Same as phone 3810 Old Mountain Road West Suffield, CT 06093	Company will dismantle, move, and re-erect post-and-beam houses and barns. Always has an inventory of antique barn frames, still standing, large and small.	Free Write in No. 106
Chestnut Specialists, Inc. www.chestnutspec.com 860-283-4209; Fax: Same as phone 400 Harwinton Ave. Plymouth, CT 06782	Original planks and remilled flooring from antique salvaged lumber in chestnut, oak, and pine. Random-width, -length; planed T&G or square-edged, kiln-dried. Antique barn beams and rough wideboard planks also available.	Free Write in No. 8780
Chestnut Woodworking & Antique Flooring www.chestnutwoodworking.com 860-672-4300; Fax: 860-672-2441 P.O. Box 204 West Cornwall, CT 06796	Original wideboard flooring and remilled tongue-&-groove flooring in chestnut, oak, white pine, heart pine, and hemlock. Kiln-dried. All recycled woods. Also, furniture-grade antique woods; hand-hewn beams; barn siding.	Free Call for more information
Chimney Pot Shoppe www.chimneypot.net 724-345-3601; Fax: 724-345-8243 1915 Brush Run Road Avella, PA 15312	Extensive inventory of new and antique chimney pots. Quality, hand-crafted stock imported from England includes a wide array of colors, sizes, and styles. Will ship anywhere in North America.	Free Write in No. 410
Christopher D. Hess, Inc. 610-760-9533; Fax: Same as phone 3931 Cedar Dr. Walnutport, PA 18088	"Age & Element Enhanced" reclaimed barn lumber for rustic and contemporary uses, casual to elegant. Beams & other structural materials milled to custom widths and lengths, graded & kiln-dried; chestnut, oak, white pine, hemlock.	Free Write in No. 1275
Conklin's Authentic Barnwood www.conklinsbarnwood.com 570-465-3832; Fax: 570-465-3835 RR 1, Box 70 Susquehanna, PA 18847	Wholesale distributor of antique barnwood and hand-hewn beams, including random-width flooring in white pine, chestnut, heart pine, oak, hemlock. Also available: weathered barnwood, hewn rafters, pole rafters, and half-rounds.	Free
Country Flair Tile www.homeandgardendecor.com 860-927-3178; Fax: 860-927-4978 P.O. Box 401, Kent Green Kent, CT 06757	Outdoor tile, fountains, brass spigots, mosaic tables, hand-carved millstones. An antique French collection of reclaimed terra cotta and limestone and newly arrived hand-carved stone troughs and sinks.	Free Write in No. 3081
Country Road Associates, Ltd. www.countryroadassociates.com 845-677-6041; Fax: 845-677-6532 P.O. Box 885 Millbrook, NY 12545	Supplier of 19th-century reclaimed wood from barns and homes, for reuse as flooring, cabinetry, or panelling.	Free Write in No. 7480
Country Settings, Inc. www.countrysettings.com 888-941-9553; Fax: 304-925-3303 3305 West Fourth Ave., #C Belle, WV 25015	Specialist in the recovery of 19th-century building materials, including authentic log cabins, timberframe barns, hand-hewn beams, barn board, and chestnut & oak lumber.	Free Write in No. 995
Crown City Hardware Co. 626-794-1188; Fax: 626-794-2064 1047 N. Allen Ave. Pasadena, CA 91104	Wide selection of hardware, including glass knobs, bin pulls, door and window hardware; styles include Victorian and Arts & Crafts. Also: selection of original antique hardware.	Free Write in No. 432
Decorum, Inc. 207-775-3346; Fax: 207-775-3038 231 Commercial Street Portland, ME 04101	New and antique decorative hardware and accessories, clawfoot tubs, slate sinks, old stoves, pedestal sinks, lighting, doors, windows, and more.	Free

TRADITIONAL BUILDING'S ARCHITECTURAL ANTIQUES *SourceList*

COMPILED BY COLE GAGNE

COMPANY	SPECIALTY	Literature
DHS Designs www.dhsdesigns.com 410-280-3466; Fax: 410-280-8729 86 Maryland Ave. Annapolis, MD 21401	Carved French limestone mantels, 16th to 19th c. Also, architectural artifacts; antique garden ornaments (18th- to 20th-c. statuary, fountains, urns, benches), antique continental furniture and decorative arts.	Free
Duluth Timber Co. www.duluthtimber.com 218-727-2145; Fax: 218-727-0393 P.O. Box 16717 Duluth, MN 55816	Resawn planks and beams, flooring, paneling, and custom millwork from recycled heart pine and Douglas fir timbers; 'as is' timbers; national shipping. Custom jobs; specialist in whole-house projects.	Free Write in No. 112
Durable Slate Co. www.durableslate.com 800-666-7445; Fax: 614-299-7100 1050 North Fourth St. Columbus, OH 43201	Provides naturally weathered, antique flooring slate salvaged from buildings throughout the country. Available in a variety of colors; worldwide shipping. Also, slate and metal roofing.	Free Write in No. 3720
Eagle Creek Designs 330-274-2041; Fax: 330-274-3370 6025 Schustrich, P.O. Box 163 Mantua, OH 44255	Stock barns and log houses; complete inventory of salvaged building materials, including beams, flooring, doors, wood paneling, siding, mantels. Also, salvaged stone; consultation services; barns disassembled and reassembled.	Free Write in No. 529
Elizabeth Street 212-644-6969; Fax: 212-644-8090 1176 Second Ave. New York, NY 10021	Antique garden ornament; custom stonework; recreations of antique garden ornament in the same methods and materials as the originals.	Free Write in No. 3001
English Garden Antiques www.rural-heritage.demon.co.uk 011-44-161-929-8081; Fax: Same as phone Church Brow, Bowdon Cheshire, ENGLAND WA14 2SF	Specialist in authentic English garden antiques such as stone troughs, sundials, urns, birdbaths, gargoyles, staddle (mushroom) stones, village water pumps, ornamental stonework, and statuary.	Free Write in No. 2908
Eugenia's Antique Hardware www.eugeniaantiquehardware.com 800-337-1677; Fax: 770-458-5966 5370 Peachtree Road Chamblee, GA 30341	Supplier of authentic antique hardware, such as curtain tie-backs, door knockers, hinges, door plates, rosettes, furniture hardware, and twist bells. Vintage bathroom accessories in nickel-plated brass and porcelain.	Free
Golden Movement Emporium www.goldenmovement.com 800-590-3288; Fax: 310-645-8902 5335 West 102nd St. Los Angeles, CA 90045	Classic chandeliers plus solid rosewood mantels and doors.	Free Write in No. 71
Good Time Stove Co. www.goodtimestove.com 888-282-7506; Fax: 413-268-9284 Route 112, P.O. Box 306 Goshen, MA 01032	Authentic antique kitchen ranges and heating stoves, circa 1840-1930. Fully restored & functional; restored enamel, cast-iron, wood, and wood-gas combos; electric conversions available.	Free
Goodwin Heart Pine Co. www.heartpine.com 800-336-3118; Fax: 352-466-0608 106 SW 109th Pl. Micanopy, FL 32667	Recovered logs and timber products for use in flooring, stair parts, & architectural millwork. The firm also founded the Association for the Restoration of Longleaf Pine in 1992 to support reforestation.	Free Write in No. 1330
Guilded Salvage Antiques 612-789-1680; Fax: 612-789-1688 1315 Tyler St., NE Minneapolis, MN 55413	10,000 sq.ft. of antique house parts: light fixtures, built-ins, cupboards, clawfoot tubs, stools, retro dinette sets, lamps; emphasis on creativel re-using archaic items to preserve their beauty and craftsmanship.	Free
Harvey Millwork, Inc. www.harveymillwork.com 410-822-7689; Fax: 410-745-9926 P.O. Box 249 Bozman, MD 21612	Specialist in longleaf heart pine, three species available, native and imported. Custom flooring, doors, molding, paneling, vents/registers, mantels, trim, and stair parts; shipping worldwide.	Free Write in No. 3460
Henderson Corporation www.hendersoncorporation.com 800-888-9111; Fax: 208-368-0783 P.O. Box 6459 Boise, ID 83707	Manufacturer: antique flooring, dimensional selected grades for doors, cabinets, stairs. Supplier: original barn materials; floors, siding, hewn timbers, frames. Custom milling & texturing. Milled blanks for wholesale customers.	Free Write in No. 2756
Johnson Antiques, Eron 303-777-8700; Fax: 303-777-8787 451 N. Broadway Denver, CO 80203	Carries Georgian, French, and American Victorian antique fireplace surrounds. Also complete paneled rooms, some with matching fireplace surrounds.	Free
Kronenberger & Sons Restoration www.kronenbergersons.com 860-347-4600; Fax: 860-343-0309 955 South Main St. Middletown, CT 06457	Restoration firm specializing in brownstone, brick, & fieldstone restoration; house moving; window restoration; matching existing moldings, trim, paneling, etc.; wood carving; wood roofs; mortar matching; cleaning and repointing.	Free Write in No. 536
Lancaster County Timber Frames 717-755-2990; Fax: 717-755-6971 13 Oakwood Lane Lititz, PA 17543	Residential and commercial timber-frame structures in Douglas fir, oak, hemlock, pine, or cherry.	Free Write in No. 2656
Leatherwood, Inc. 615-799-1638; Fax: 615-799-1430 7106 Black Pine Road Fairview, TN 37062	General contractor specializing in all aspects of historic restoration. Services include providing antique building materials and architectural antiques, and the disassembling, moving, and restoration of historic buildings.	Free Write in No. 1228
Longleaf Lumber www.longleaflumber.com 617-625-3659; Fax: 617-625-3615 70-80 Webster Ave. Somerville, MA 02143	Antique lumber mill specializes in longleaf heart pine, chestnut, Eastern antique white pine, and other woods; flooring and custom milling; wide-plank and random-width boards. Also, barn boards.	Free Write in No. 272
Lumiere, Inc./Raj Gallery 212-535-6111; Fax: 212-420-8856 315 East 84th St. New York, NY 10028	Large inventory of 19th-century smoke-bell lanterns and wall brackets with antique etched-glass shades. Also, antique chandeliers, sconces, lanterns, table lamps, and accessories.	Free
Luminaria Lighting www.luminarialighting.com 509-747-9198; Fax: 509-456-8298 154 South Madison St. Spokane, WA 99201	Extensive collection of antique light fixtures; chandeliers, sconces, and table lamps in styles including Early Electric, Arts & Crafts, Art Deco. Online catalog. Original reproductions finished to spec.	Free Write in No. 336
Mantels of Yesteryear www.mantelsofyesteryear.com 706-492-5534; Fax: 706-492-3758 P.O. Box 908 McCaysville, GA 30555	Wholesaler & retailer of restored antique mantels; manufacturers of a line of high-quality repro mantels & mantel shelves that meet nation- al building codes. Also manufactures matching pier mirrors & colonnades. Custom mantels.	Free
Materials Unlimited www.materialsunlimited.com 800-299-9462; Fax: 734-482-3636 Two West Michigan Ave. Ypsilanti, MI 48197	One of the largest selections of fully restored, UL-rated, antique lighting in the Midwest, Victorian to French Art Deco. Renaissance Revival, full walnut mantels over 10 ft. tall to oak Arts & Crafts. Art glass, windows, doors, hardware, columns, tubs, pedestal sinks, period furniture & accessories.	Free

COMPANY	SPECIALTY	Literature
Mountain Lumber Co. www.mountainlumber.com 800-445-2671; Fax: 804-985-4105 P.O. Box 289 Ruckersville, VA 22968	100% reclaimed antique woods rescued from 18th- and 19th-century factories, mills, rural buildings, and maritime structures. All material kiln-dried in own kilns, pre-squared, and available prefinished.	Free Write in No. 7140
New York Bars & Backbars www.newyorkbars.com 800-338-0544; Fax: 212-625-0980 49 E. Houston St. New York, NY 10012	Source of Turn-of-the-Century, solid-wood bars and backbars; also, authentic French bistro bars and traditional pewter "zinc" tops.	Free Write in No. 2501
Normandy Imports, Ltd. 803-328-9232; Fax: Same as phone 1102 Falls Road Rock Hill, SC 29730	Direct importer of antique French building materials, architectural, and garden elements; including hand-cut stone basins, sinks, and troughs for planters, fountain reservoirs, stone tables for the garden, and terra-cotta flooring.	Free
Northeast Millwork Corp. 401-624-7744; Fax: 401-624-8118 500 Eagleville Road Tiverton, RI 02878	Supplier of antique heart pine, old-growth recycled timbers, fir, chestnut, and pine. Manufacturer of flooring, stair treads, handrails, cabinetry, fine millwork, and moldings.	Free Write in No. 2794
Off the Wall Architectural Antiques 831-624-6165; Fax: Same as phone Third SE Lincoln & 5th, P.O. Box 4561 Carmel, CA 93921	Supplier of displaced house parts offers extra-special footed tubs and sinks, matching service for 1840s-1940s door hardware, vintage and custom period lighting for large jobs, and more.	Free
P&C Imports, Ltd. www.pc-imports.com 858-459-5888; Fax: 858-456-0351 7628 Herschell Ave. La Jolla, CA 92037	Imported directly from France, Italy, and other exotic destinations. Specialist in architecturally significant antique fireplaces and garden fixtures/ornaments. All inventory is chosen by two highly successful architects (AIA).	Free
Patina Woods Co. www.10penmar.net/patinawoods 717-264-8009; No Fax 3563 New Franklin Road Chambersburg, PA 17201	Wood harvested from 75- to 200-year-old timbers which are found in old barns; cut to boards, than kiln-dried to make 3/4-in.-thick tongue-&-groove flooring which are random lengths of 3 to 12 feet.	Free
Pioneer Millworks www.pioneermillworks.com 800-951-9663; Fax: 716-924-9962 1180 Commercial Drive Farmington, NY 14425	Firm creates high-quality reclaimed wood flooring, doors, molding, timbers, furniture, cabinetry, and stair parts from timber sourced from old building sites and barns.	Free Write in No. 6370
Powell & Co., J.L. www.plankfloors.com 800-227-2007; Fax: 910-642-3164 723 Pine Log Rd. Whiteville, NC 28472	Two-hundred-year-old antique, resawn heart-pine flooring, paneling, molding, etc. Custom milling to customer's specifications.	Free
Precision Woodworks www.precisionwoodworks.com 512-756-6950; Fax: 512-756-2804 507 E. Jackson St. Burnet, TX 78611	Inventory of antique beams in longleaf pine, white pine, fir & hand-hewns of misc. species. Architectural products, custom doors, flooring bead board, stair parts, & custom furnishing from antique beams. Custom saw-mill operations.	Free
Preservation Hall www.preservation-hall.com 828-645-1047; Fax: Same as phone 55 N. Main St., P.O. Box 977 Weaverville, NC 28787	Specialist in quality salvaged building materials. Hardwood doors, mantels, windows, and trim; decorative elements; extensive vintage-hardware selection.	Free
Reclamation Services, Ltd. www.recserv.demon.co.uk 011-44-1452-814064; Fax: 1452-813634 Catbrain Quarry, Painswick, Beacon Gloucestershire, ENGLAND GL6 6SU	Supplier of major architectural features, garden statuary, fountains, fine chimney pieces, hand-forged ironwork, and garden accessories.	Free Write in No. 3151
Recycling The Past www.recyclingthepast.com 609-660-9790; Fax: 800-878-3251 381 N. Main St. Barnegat, NJ 08005	Full-scale salvage operation: large-scale buildings to residential homes. Stock rotated frequently. Specialist in wrought iron, doors, and garden, as well as the staples. Wanted architectural salvage.	Free
Red Suspenders Timber Frames www.redsuspenderstf.com 936-564-9465; Fax: 936-564-6001 Rt. 7, Box 8383 Nacogdoches, TX 75961	Designers and craftspeople specializing in finely crafted timber-framed public, commercial, and residential projects throughout the U.S.	Free Write in No. 1025
Renaissance Antique Lighting www.antique-lighting.com 401-849-8515; Fax: Same as phone 42 Spring St. Newport, RI 02840	Antique and reproduction lighting; restoration; custom, historic, commercial, and museum work.	Free Write in No. 2885
Renaissance Companies 805-688-6222; Fax: 805-686-4044 486 First Street Solvang, CA 93463	Traditional street clocks, steeple clocks, and public clocks made to order; inventory of over 300 quality antique clocks, fully restored and guaranteed.	Free
Renaissance Roofing, Inc. www.claytileroof.com 800-699-5695; Fax: 815-547-1425 P.O. Box 5024 Rockford, IL 61125	Supplier of salvaged-tile and -slate roofing materials. Huge inventory of hard-to-find styles and colors to match client's roof. Installation and restoration services available.	Free
Roof Tile & Slate Co. www.claytile.com 800-446-0220; Fax: 972-242-1923 1209 Carroll St. Carrollton, TX 75006	Large inventory 'in stock'; custom blending of clay tiles and used roofing slate; field tiles and trim palletized and ready to ship; also, flooring for interior spaces, specialty trim for historical projects.	Free Write in No. 9560
Roy Electric Co. www.westfieldnj.com/roy 800-366-3347; Fax: 908-317-4629 22 Elm St. Westfield, NJ 07090	New full-product color catalog features 274 Victorian and Turn-of-the-Century sconces, pendants, flush fixtures, glass shades. Also, custom capabilities, restoration, and antique fixtures.	Free Write in No. 430
Salisbury Woodworking www.salisburywoodworking.com 206-842-9500; Fax: 206-842-1360 7671 NE Day Road Bainbridge Island, WA 98110	Supplies & installs salvaged & recycled woods. Specialist in wide-plank flooring & radiant floor-heat installation. Recycled Douglas fir to 20 in. wide. Old growth from blow-downs & buckskin logs. White oak from Siberia. Graded timber packages. Custom mill flooring, stair parts, paneling, mantels.	Free
Southern Accents Arch. Antiques www.antiques-architectural.com 877-737-0554; Fax: 256-737-0375 308 2nd Avenue SE Cullman, AL 35055	20,000 sq.ft. of inventory ranging from quality doors and marble fireplace mantels to stained and beveled glass. Exclusive USA dealers for Chadder & Co. bath fittings from England. Marketing network can find any hard-to-find piece.	Free
T.P. Higgins Co. www.eatel.net/~antqpine/ 225-695-6006; Fax: Same as phone P.O. Box 772 Prairieville, LA 70769	Manufactures antique wood flooring in species of your choice. Custom sizes from samples, photos, specs. T&G up to 12 in. wide. Wholesale brokerage service available.	Free Write in No. 2778

TRADITIONAL BUILDING'S ARCHITECTURAL ANTIQUES *SourceList*

COMPILED BY COLE GAGNE

COMPANY	SPECIALTY	Literature
The Woods Company www.thewoodscompany.com 717-263-6524; Fax: 717-263-9346 5045 Kansas Ave., Cumberland Valley Bus Pk. Chambersburg, PA 17201	Wide-plank flooring from new woods & remilled antique woods (heart pine, oak, chestnut, white pine); brush-textured flooring; stair parts; antique beams; floor decking; exposed-beam ceiling & joist systems; antique foundation stone.	Free Write in No. 5600
Tile Roofs, Inc. www.tileroofs.com 888-708-TILE; Fax: 708-479-7865 12056 S. Union Ave. Chicago, IL 60628	One of the largest stocks of salvaged clay roofing tiles and slate roofing in the U.S. Specialists in the supply and installation of tiles to match existing roofing for additions and restorations of historic properties.	Free Write in No. 4570
Timber & Stone Restorations www.timberandstone.com 800-847-2944; Fax: 830-997-1195 5431 E. U.S. Highway 290 Fredericksburg, TX 78624	Salvages & sells antique hand-hewn log cabins, vintage timber-frame barns, antique stone structures, vintage wooden windmills. Hand-hewn beams from 6x6 in. to 18x18 in., barn wood, other antique materials. Restoration & consulting.	Free Write in No. 2559
Timeless Timber www.timelesstimber.com 888-653-5647; Fax: 715-685-9620 2200 E. Lake Shore Dr. Ashland, WI 54806	Old-growth timbers harvested from the Great Lakes region during the 1800s, which are retrieved from the water, cut, and dried; for a variety of uses.	Free Write in No. 2604
Tony's Architectural Salvage 714-538-1900; Fax: 714-538-1966 123 N. Olive St. Orange, CA 92866	Warehouse contains 10,000 sq.ft. of 19th- & 20th-c. European & American architectural salvage, including gates, fencing, grilles, wood carvings, beams, windows, doors, columns, staircases, sinks, tubs, mantels, art glass, sculpture, & garden fountains, urns, & benches.	Free
Vermont Timber Frames, Inc. www.vtf.com 518-677-8860; Fax: 518-677-3626 7 South Pearl Street Cambridge, NY 12816	Traditional timber-frame products for commercial and residential projects, with 25 years of experience in all forms of heavy-timber construction. Also, salvaged timbers.	Free
Vintage Log & Lumber, Inc. www.vintagelog.com 304-497-2700; Fax: 304-497-3651 P.O. Box 130 Renick, WV 24966	Small company specializing in antique hand-hewn log cabins and timber-frame barns. Hand-hewn beams, chestnut lumber, antique oak, poplar & pine for flooring and millwork. Hand-cut foundation & chimney stone; architectural salvage.	Free Write in No. 2753
Vintage Plumbing www.vintageplumbing.com 818-772-1721; No Fax 9645 Sylvia Ave. Northridge, CA 91324	Hard-to-find Victorian-era American bath fixtures, such as Roman-style tubs, unusual toilets, fancy pedestal sinks, marble sinks, rib-cage showers, unique nickel-plated accessories, foot baths, sitz baths. Also, will repair and replace broken or missing parts such as stems & handles. No reproductions!	Free
Wooden Nickel Architectural Antiques www.woodennickelantiques.net 513-241-2985; Fax: 513-412-5452 1400-1414 Central Pkwy. Cincinnati, OH 45210	Fireplace mantels, restored chandliers, fancy Victorian and continental furniture, stained glass, iron fence, garden items, back and front bars, architectural salvage. Particularly specialized in large pieces.	Free

➤A geographical breakdown of dealers in Architectural Antiques & Salvaged Building Materials will be found on **www.traditional-building.com**

ARCHITECTURAL ANTIQUES PORTFOLIO

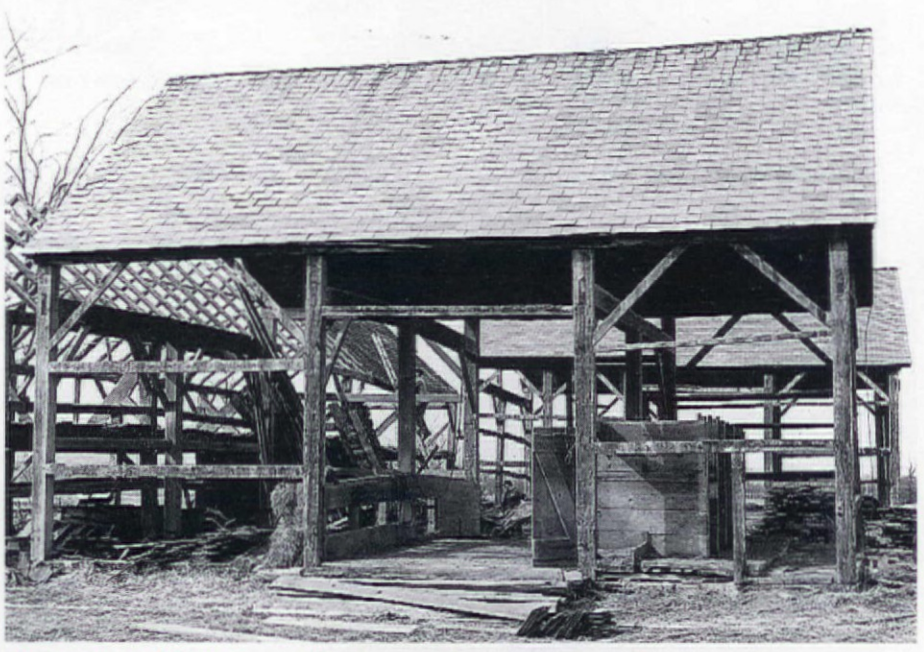
For full contact information on these companies, consult the SourceList on pp. 13-15.

From furniture and lighting to architectural salvage and statuary —WOODEN NICKEL ANTIQUES offers an array of possibilities.

Salvaged stonework, such as this statue of a worshipful angel, is a specialty of ARCHITECTURAL HERITAGE. *Write in No. 2638*

Quality salvaged building materials obtainable from PRESERVATION HALL include doors, mantels, windows, and shown here, stair parts.

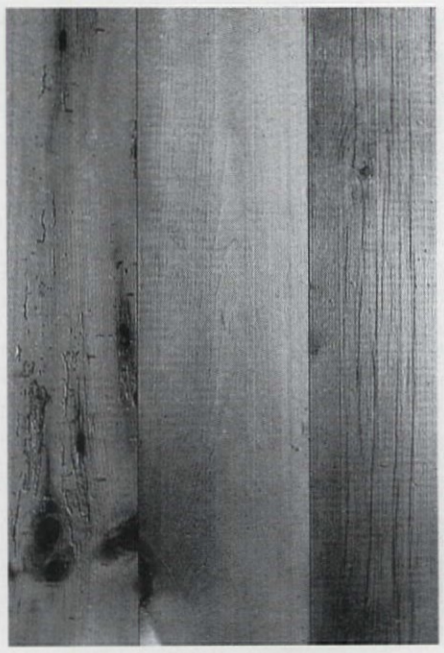
The "Quaker Gem" typifies the quality antique stoves that are restored and made available by GOOD TIME STOVE.



THE BARN PEOPLE specialize in supplying antique barn frames, which they will restore and reassemble anywhere, often adapting them for residential use.

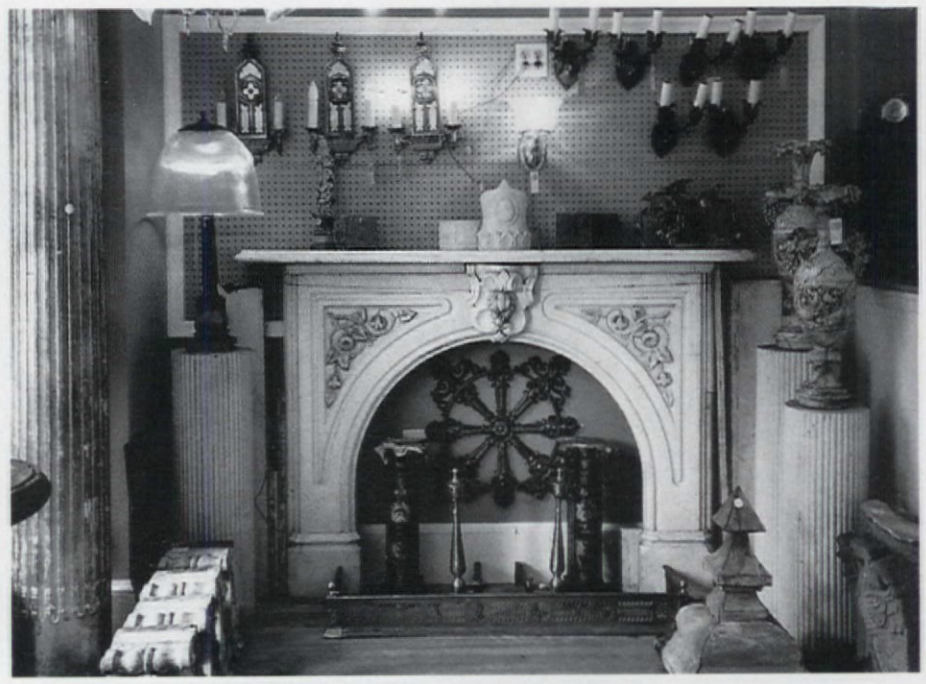
ARCHITECTURAL ANTIQUES PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 13-15.

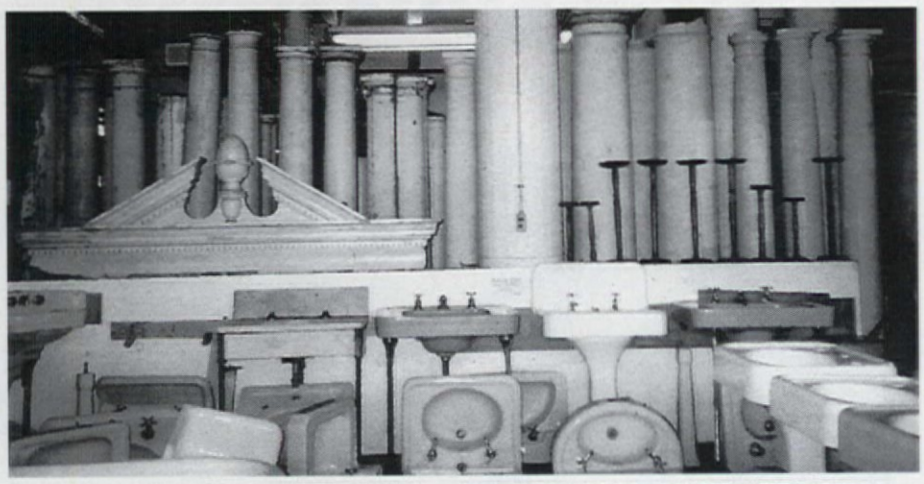


PATINA WOODS manufactures new flooring using wood that has been harvested from the timbers of old barns.

SALISBURY WOODWORKING supplies and installs salvaged and recycled woods, and specializes in wide-plank flooring.



This photo is just a small sampling of the antiques offered by THE BRASS KNOB, but it hints at the range of possibilities, from mantels and columns to lighting and stone decoration.



Antique plumbing fixtures are a specialty of THE BRASS KNOB'S BACK DOORS.

CHESTNUT OAK will dismantle, relocate, and re-erect post-&-beam houses and barns. *Write in No. 106*

Architectural salvage available from RECYCLING THE PAST runs the gamut from hardware and lighting to building materials such as this stone lion's head.

The 20,000 sq.ft. of inventory at SOUTHERN ACCENTS includes everything from art glass and quality doors to quality doors with art glass — as well as lighting, fountains, hardware, and a whole lot more.

This circa-1900 marble-top basin, complete with backsplash and marble skirt, rope brass legs with glass ball feet, and original marbleized 12-in. bowl, was restored and made available by BATHROOM MACHINERIES. *Write in No. 5860*

MOUNTAIN LUMBER fashioned this attractive wood interior working entirely with rift-grade historic heart pine. *Write in No. 7140*

ARCHITECTURAL ANTIQUES PORTFOLIO

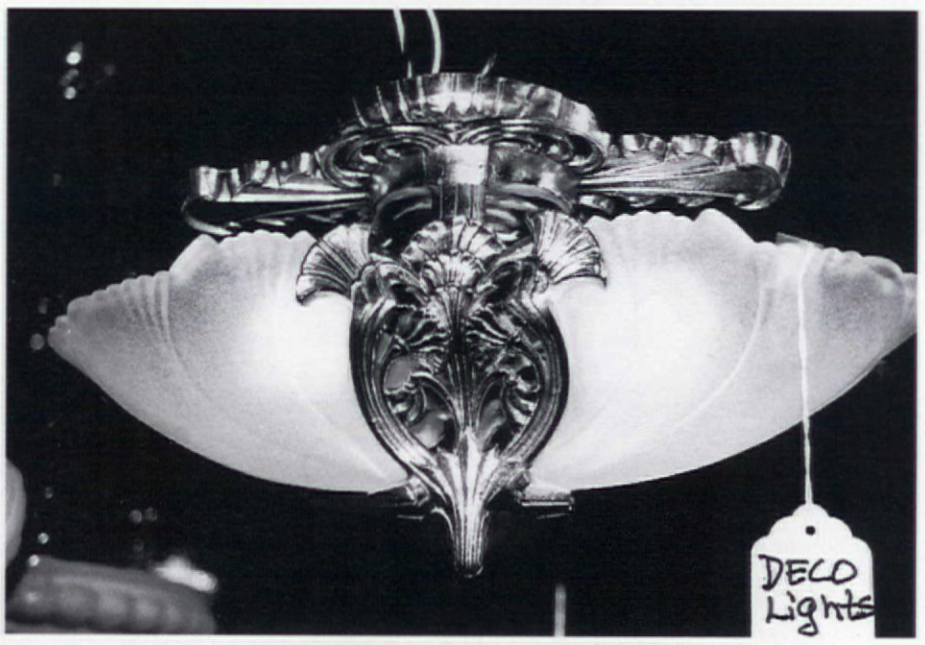
For full contact information on these companies, consult the SourceList on pp. 13-15.

Architectural products such as flooring, doors, and stair parts are produced by PRECISION WOODWORKS from antique beams.

Antique bathroom items from VINTAGE PLUMBING range from nickel-plated accessories to elaborate marble sinks.

The wealth of vintage hardware available from EUGENIA'S ANTIQUE HARDWARE includes items such as this ornate lock set.

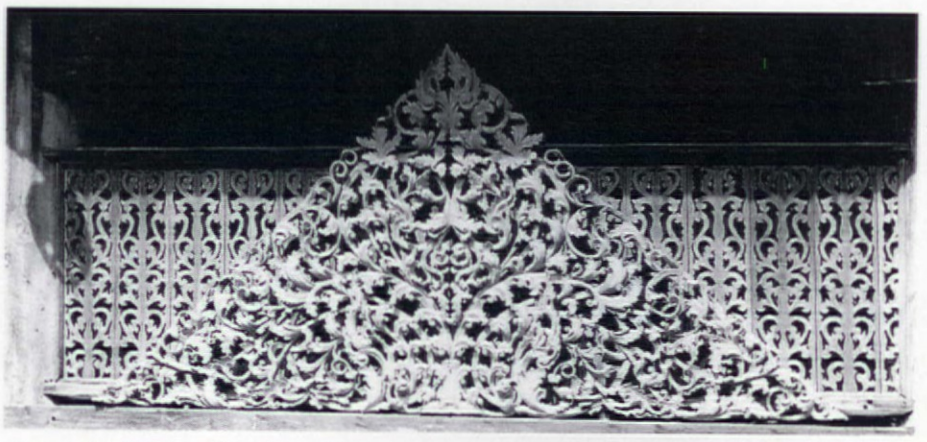
A vast selection of architectural antique wood furnishings, for applications commercial, residential, or ecclesiastical, is always available from ANDY THORNTON. *Write in No. 2736*



Art Deco-style antique lighting fixures can always be found at CAVALIER ANTIQUE LIGHTING.

Vintage bathtubs await the buyer at TONY'S ARCHITECTURAL SALVAGE — as do vintage art glass, ironwork, windows, doors, mantels, and hardware.

TILE ROOFS specializes in tracking down hard-to-find clay, slate, and concrete roofing tiles. *Write in No. 4570*

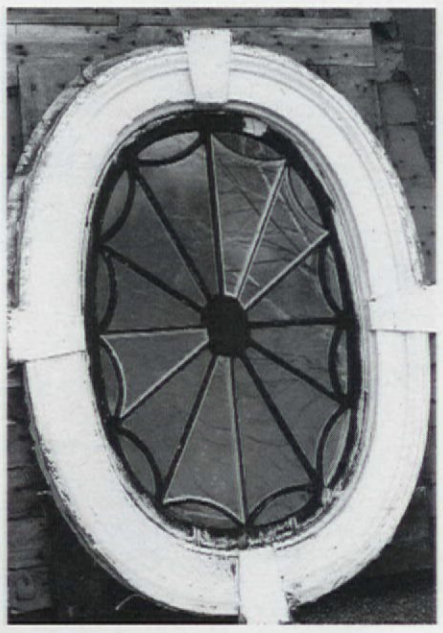


Measuring 35 in. wide x 60 in. high, this hand-carved, decorative teak pediment is one of the many fine pieces that can be obtained from AARDVARK ANTIQUES. *Write in No. 718*

ARCHITECTURAL ANTIQUES PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 13-15.

Antique fireplaces are a specialty of P&C IMPORTS, a firm that obtains vintage items from Europe.



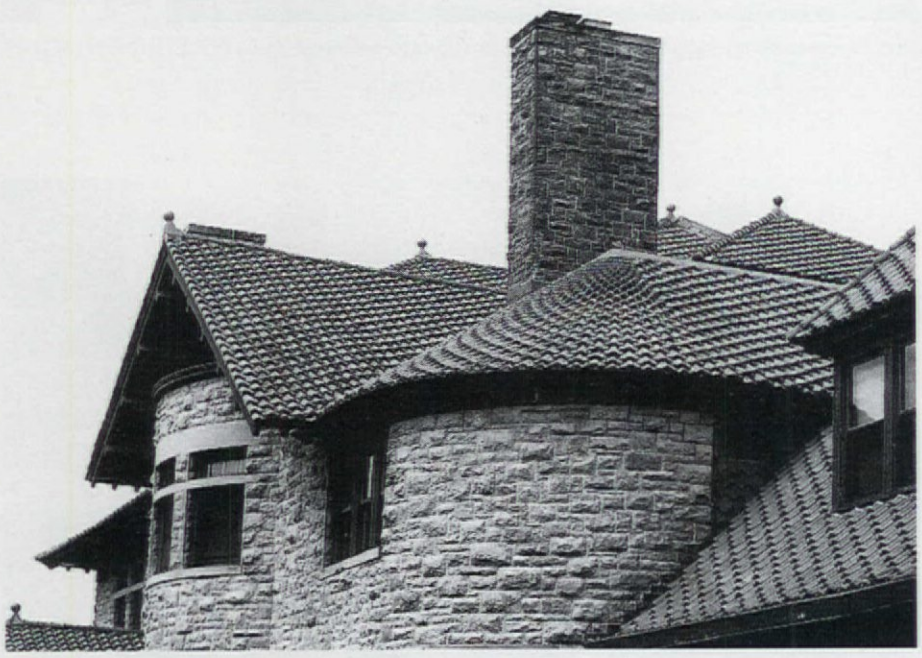
This imaginatively divided oval window, measuring 42 in. x 56 in., is typical of the antiques at ARCHITECTURAL SALVAGE WAREHOUSE.

Along with designing and building timber-frame structures, AMISH TIMBER FRAMERS also supply antique heavy timbers.

Over 300 antique chimney pots are always in stock at THE CHIMNEY POT SHOPPE. *Write in No. 410*

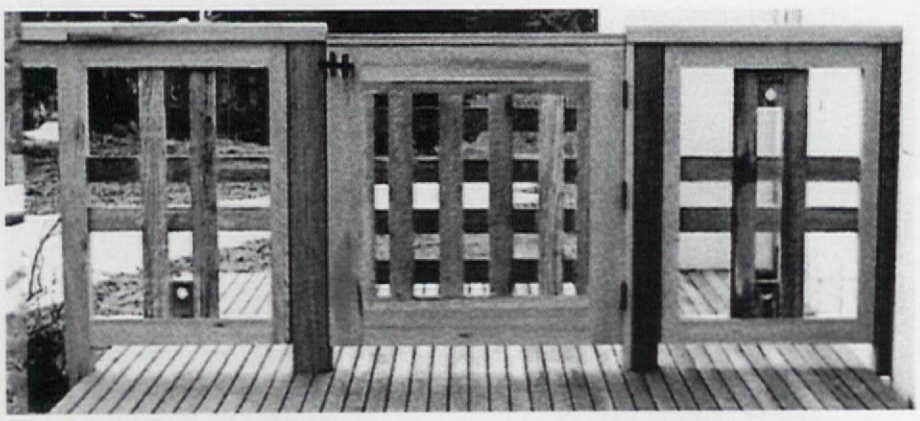
The supply of imported, period garden ornament offered by ENGLISH GARDEN ANTIQUES includes numerous planters and urns. *Write in No. 2908*

This bar from the Philadelphia Phillies Club exemplifies the vintage bars and backbars offered by ARCHITECTURAL ANTIQUES EXCHANGE.



RENAISSANCE ROOFING salvaged over 70 squares of 8-in. Conosera tile from this residence in upstate New York.

Salvaged roofing tile is sorted and re-palletized by THE ROOF TILE AND SLATE COMPANY, which also custom blends tile to provide a unique roof for its customers. *Write in No. 9560*



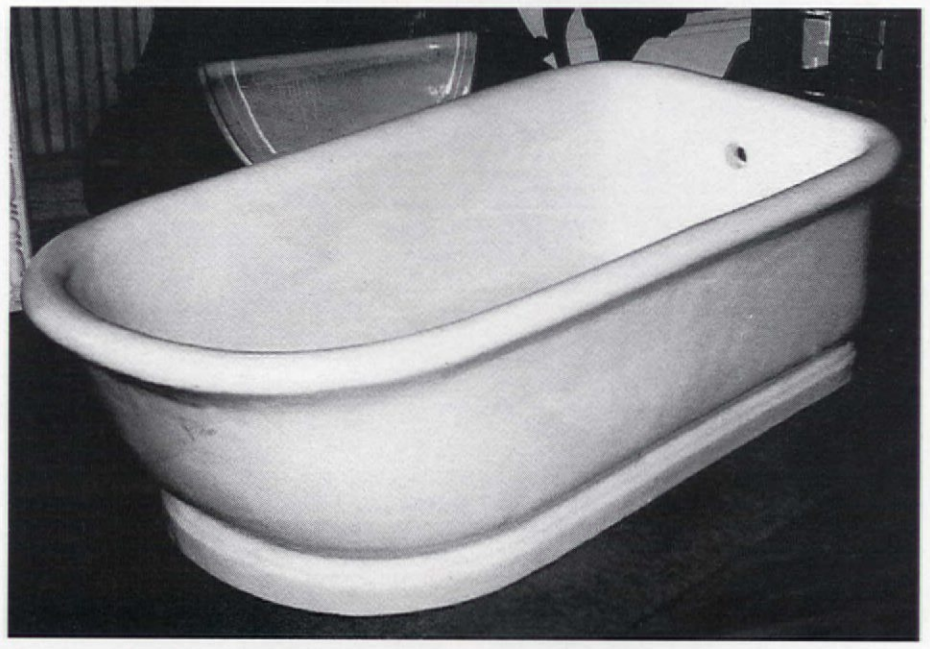
DULUTH TIMBER will fabricate landscape features such as this gate using salvaged wood. *(photo: Tom Jesperson) Write in No. 112*

ARCHITECTURAL ANTIQUES PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 13-15.

Despite its name AUTHENTIC WOOD FLOORS makes more than just flooring from reclaimed wood. Case in point: the furniture shown here. *Write in No. 8000*

GOODWIN HEART PINE fabricates furniture such as this cabinet using fine antique woods. *Write in No. 1330*



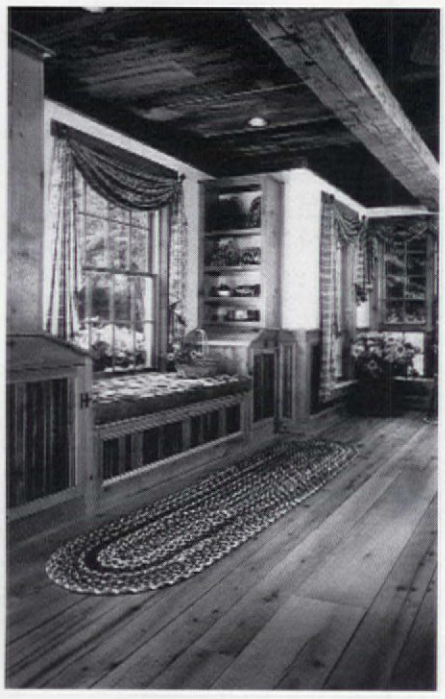
Antique bathtubs — and doors, mantels, hardware, tin ceilings, and more and more — can be found in the 22,000 sq.ft. of retail and warehouse space at ARCHITECTURAL ARTIFACTS in Denver, Colo.

A spectrum of antique lighting — and furniture and mantels and much more — can be obtained from MATERIALS UNLIMITED.

A large inventory of salvaged building materials awaits visitors to ASHEVILLE ARCHITECTURAL.

Antique lighting available from LUMIERE, INC., includes smoke-bell hanging lanterns and wall brackets with glass shades.

J.L. POWELL & CO. custom mills its heart pine flooring to the customer's specifications.



CONKLIN'S AUTHENTIC BARNWOOD transforms reclaimed barnwood into handsome, character-rich flooring.

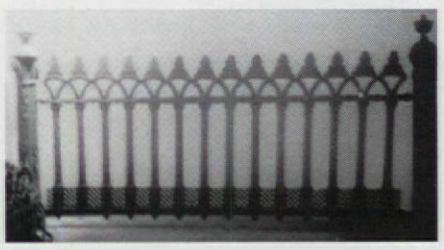
Along with the structures they erect, VERMONT TIMBER FRAMES also supply salvaged timbers.

Antique barns such as this structure yield the barnwood flooring and planks made available by CARLSON'S BARNWOOD COMPANY.

ARCHITECTURAL ANTIQUES PORTFOLIO

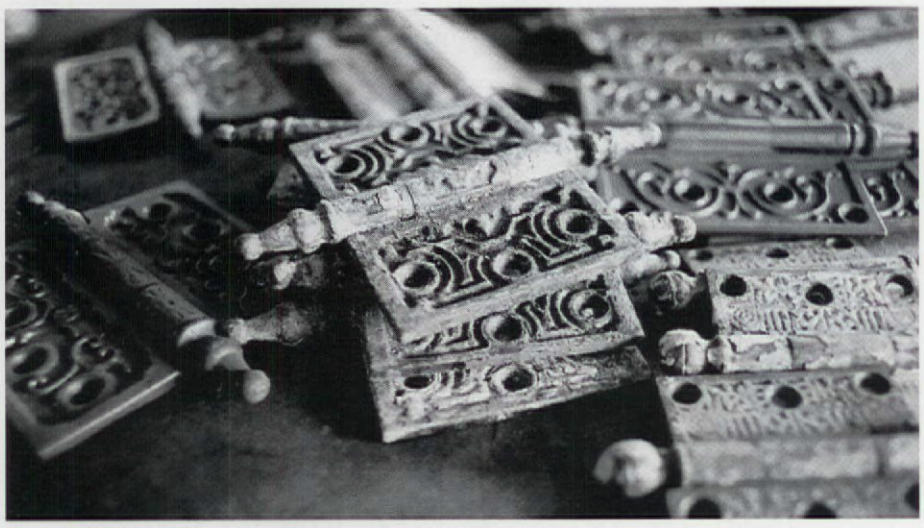
For full contact information on these companies, consult the SourceList on pp. 13-15.

NORMANDY IMPORTS reclaims and imports building materials and architectural elements from 17th-, 18th-, and 19th-century France, such as these stone troughs.

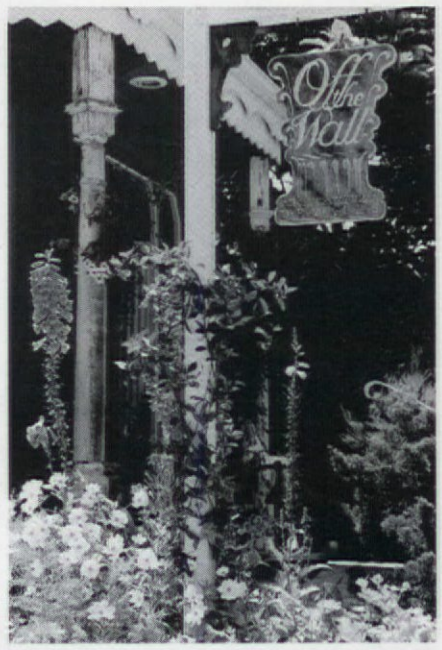


Cast-iron fencing is one of the antique-iron items available from ARCHITECTURAL ANTIQUES in Ottawa, Ont.

Besides building and restoring log and timber-frame homes, LEATHERWOOD is also a source of architectural antiques, such as this wood mantel. *Write in No. 1228*



GUILDED SALVAGE boasts 10,000 sq.ft. of antique house parts, which includes an awful lot of vintage hinges.



Displaced vintage house parts are available to the public once again at the facilities of OFF THE WALL.

This impressive gilt-bronze 30-light gas and electric combination chandelier, currently available from ALLEN'S ANTIQUE LIGHTING, was probably made by the Boston firm of C.H. McKenney & Company circa 1890.

The 12,000-sq.ft. facility of ARCHITECTURAL SALVAGE in Louisville, Ky., houses a vast assortment of vintage architectural elements.

WRITE IN NO. 2736

DECORUM is a reliable source for antiques such as hardware, plumbing fixtures, and kitchen items like this vintage range.

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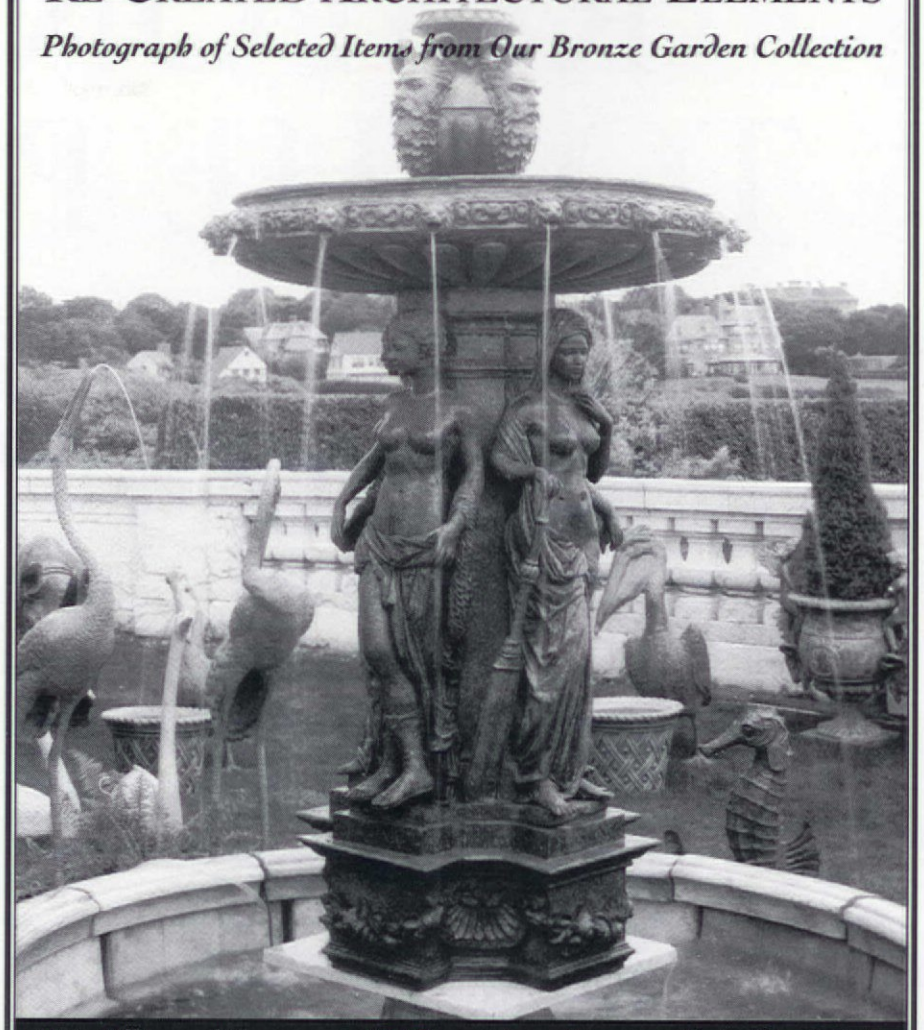
Photograph of Selected Items from Our Bronze Garden Collection



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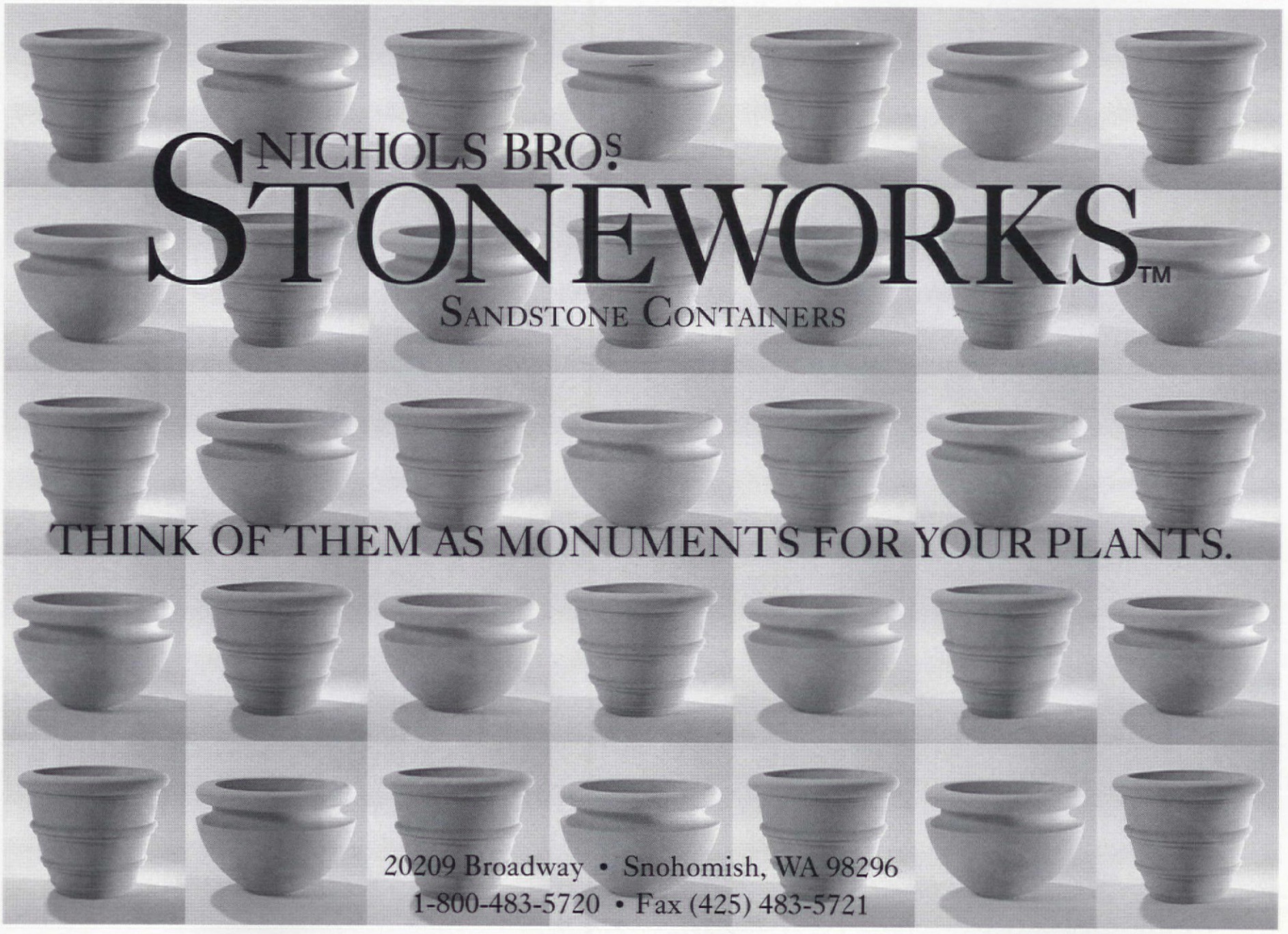
WRITE IN NO. 718



WRITE IN NO. 5980

RESPONSIBILITY TO THE PUBLIC EYE

David M. Schwarz heads a 23-year-old practice with projects springing up across the country. The firm's projects mediate the tenuous contradictions of architecture as a public art built in a world of private clients.

by Kathleen Randall

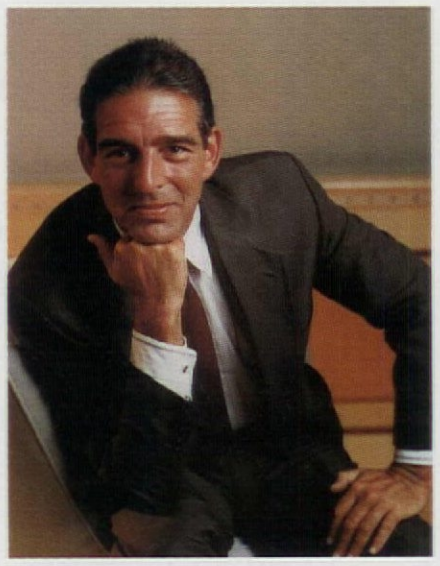
Like breathing secondhand smoke, having to look at bad architecture is often unavoidable. It's there, in your view, unless you change your route. Second-rate architecture won't shorten your life, but it does nothing to enhance it. David Schwarz is a staunch believer in the rights of the passive or secondary user of architecture — those who walk by or drive by; those who live next door or have an office window. Schwarz has two mandates for his work. Both stem from his basic belief that architecture is not a private art: "It is important to us that every building we do enriches the lives of as many people as possible. And, it is important that the buildings we do be very pleasing to the people for whom we build." Prioritizing in this order, with the public before the client, has on occasion infuriated clients, says Schwarz, but all it takes to overcome this hurdle is a quick reminder that the long-term success of a commercial or cultural project almost always involves pleasing the passersby.

The seating end stanchion was designed by Scott and Stuart Gentling at the direction of Schwarz, to complement their mural for the auditorium's Great Dome, which combines heavenly clouds and layers of wispy feathers. The design also carries through the angel-wing motif used throughout Bass Performance Hall. *(Photo: Jim Hedrich/ Hedrich Blessing Photography)*

Three quarters of Schwarz's clients are return clients, which suggests they have endorsed the approach and benefited from the results over the years. Schwarz started his practice, David M. Schwarz Architectural Services, Inc., in 1977, in Washington, D.C. After landing several major projects in Fort Worth, Tex., the firm opened a second office there in 1985. Today the 40-person firm handles projects scattered across the country: master plans for three wineries in Napa Valley; a new arena for the Dallas Mavericks and Dallas Stars; the Environmental Sciences facility at Yale University; a natatorium for a prep school in suburban Cleveland; a county courthouse *and* the National Cowgirl Museum and Hall of Fame in Fort Worth.

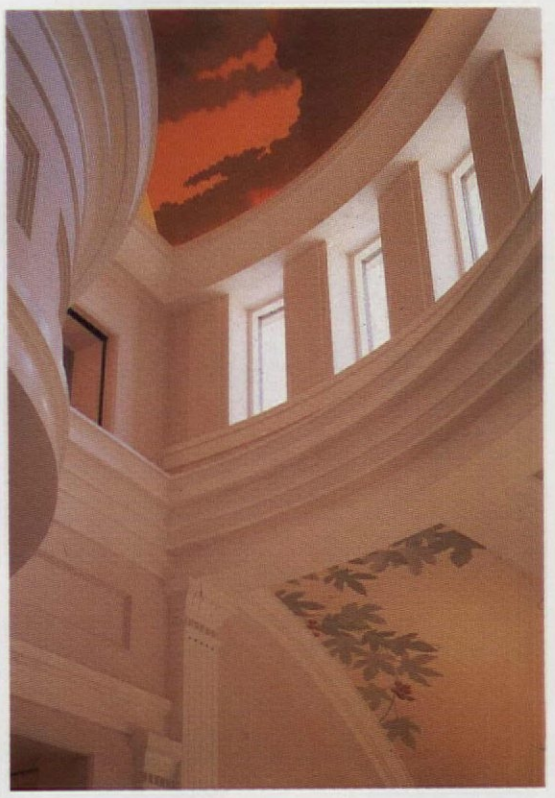
Early Ambitions

Schwarz does not hail from the nation's capital or Texas. He grew up in Los Angeles, where at the tender age of six he proclaimed his choice of profession. As the story goes, his mother told him he could not play at rearranging the carefully segregated colored gravels on the neighbor's terraces unless he was an architect. Young Schwarz declared his intentions to become one and then asked his mother, 'What is an archi-



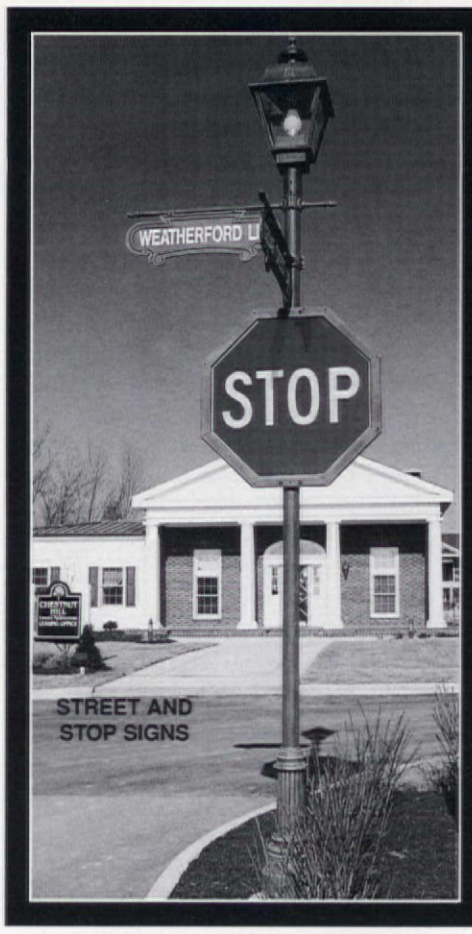
David Schwarz drives the firm that bears his name in its quest for architecture that brings together the old and new in compelling ways.

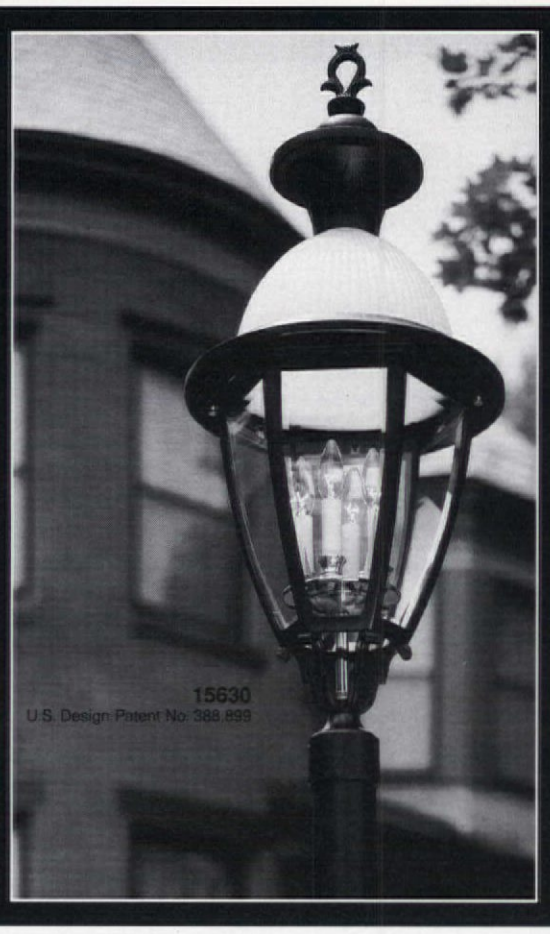
continued on page 24

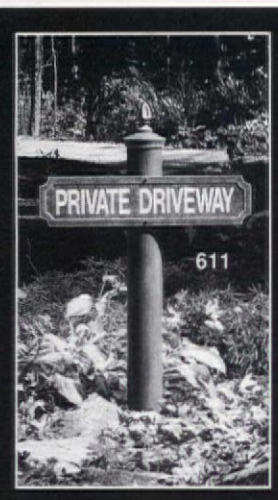


In early design presentations Schwarz proposed murals as an integral feature of the performance hall's interiors. This detail from the dome over the Grand West Foyer shows one example of how these ideas came to be realized. The murals were painted by twin brothers, Scott and Stuart Gentling. *(Photo: Jim Hedrich/Hedrich Blessing Photography)*

Nancy Lee and Perry R. Bass Performance Hall, completed in 1998, is a $65 million, privately funded performance complex driving the cultural revitalization of downtown Fort Worth. Schwarz focused on designing a classical building with a distinct base, middle, and top, while incorporating hints of past architectural periods everywhere. The facade material is primarily Cordova Cream limestone with accents of brass and marble. The domed roofs are standing-seam copper. *(Photo: Jim Hedrich/Hedrich Blessing Photography)*







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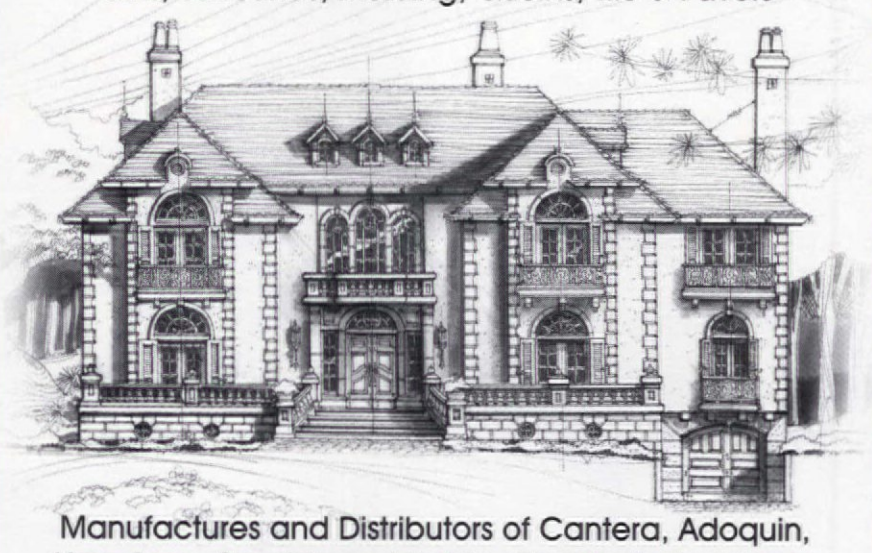

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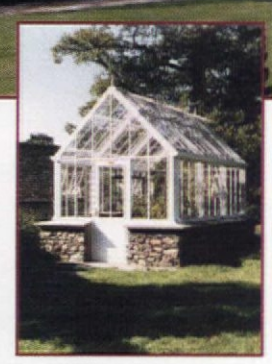

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SCHWARZ, continued from page 22

Sundance West Condominiums is one of several projects Schwarz has planned and designed as part of the effort to make Fort Worth a more 24-hour city. When he first started working in Fort Worth 20 years ago, downtown living was virtually non-existent. Today there are over 1,000 units — with a goal of 5,000 units. Sundance West's brickwork reveals one of Schwarz's trademarks: the Texas longhorn. This detailing, and the highly articulated gables, chimneys, and balconies, help break up the bulkiness of the 12-story, 348,000-sq.ft. building. *(Photo: Jim Hedrich/Hedrich Blessing Photography)*

tect?' After earning a Bachelor of Arts in Philosophy from St. John's College in Annapolis, Md., in 1972, he made good on his promise with a move to Yale University's School of Architecture, where he received a Master of Architecture degree in 1979. Schwarz combined graduate studies with teaching assistantships, internships, and short-term positions with a number of firms in Los Angeles and New York, including: Gruen Associates, Charles Moore, Paul Rudolph, Russo & Sonder, and Edward Larabee Barnes & Assoc. In 1978, at age 27, he incorporated his own practice with youthful energy and optimism and not a lot of money. It took almost a year to land his first client, but there has been little shortage since.

Schwarz definitely leads the firm that bears his name. He serves as president, CEO, and lead designer and principal-in-charge for all projects undertaken by the firm. He is committed to teaching others about architecture and has been a visiting critic and lecturer at more than a dozen universities, as well as a lecturer at many public venues. His lecture themes tie in closely with the principles that guide the firm's work: knitting together old and new; reintroduction of scale and detail to architecture; and the return to an architecture of places for people.

Starting with Context

Schwarz's initial approach to a project is the same regardless of its locale. He makes developing a deep understanding of the context his first detail. "Our definition of context is quite broad," says Schwarz, "it's the built environment, the traditions of the building's intended use, the emotional construct of the client around the building, and the role the building will play in its community." The second step is to study the client to gain a thorough understanding of the client's history and current needs. Context is particularly important given the firm's projects associated with landmark buildings and historic districts and the traditional, historic architectural styles it employs for projects that are wholly new construction.

In terms of architectural styles or motifs employed, Schwarz and his designers show few allegiances to any one style or even one century. "The forms and details may be reminiscent of other times," says Schwarz, "but we always create something that is new and different from that which has been made before. Our buildings are of the 21st century." It is precisely because of the firm's interest in mixing things up that Schwarz rejects the label revivalist to describe the firm's work and opts for neo-eclectic instead. He uses the Nancy Lee & Perry R. Bass Performance Hall, one of the firm's high-profile projects in Fort Worth, as an example of the difference. "You look at Bass Hall. You can't really pin a style to it. Is it Neo-Classical? Is it Viennese Seccessionist? I would say there are probably seven or eight architectural styles from which Bass Hall borrows. That's why we call ourselves neo-eclectics."

Benefits of Eclecticism

The freedom granted the eclectic helps Schwarz and his designers make good on their commitment to making architecture that can enrich people's experience; buildings people will want to experience rather than simply have to experience. On many of the firm's large commercial projects Schwarz has used different facade styles on a single building's various frontages, and even mixed styles together on a single facade, the purpose being to give a very large development a more human scale at the street level, as well as plenty of eye appeal, and to give each retailer an independent identity.

Schwarz has many ideas and several rules about making buildings more humane and more street friendly. Using detail to bring buildings down to a "people" scale is universal, but Schwarz thinks details should also give people something interesting to look at. He believes iconography and whimsy are critical tools for creating interest. The firm's projects incorporate iconography with a range of subtlety. The white globe lights posted along the cornice of the Texas Rangers' ballpark in Arlington, Tex., have the red, S-curved "stitch" lines of a baseball; Bass Performance Hall's entrance is heralded by two 48-ft.-high, 125-ton Angel Gabriels in high relief. A quick glance at the brick pattern in the gables of the Sundance West Condominiums in Fort Worth reveals an orderly stampede of Texas Longhorns.

When quaint, fanciful humor is embedded in architectural detail, it enters the category of whimsical. That's fine with Schwarz. "I'm a great believer that architecture should have whimsy. I think whimsy is very serious. And I don't think it is irreverent. For those who take the time to look at architecture, let's give them something to enjoy." Whimsy has a history in architecture too. A Victorian gable bedecked in "gingerbread," a Frank Lloyd Wright window, a gargoyle on a Gothic cathedral — no denying whimsy at play here. Of course a bit too much or a bit too far and your detail may fall near the danger zone of kitsch. But again, Schwarz is not worried. He is confident that his sense of when to stop is sharp. "Architecture is an art. As an artist, you have intuition. You go with what feels right."

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Schwarz has never been one to go lightly on detail. He prefers to create a deliberate tension between contemporary and historic elements rather than do revivalist design that confuses the built world's timeline. Above, a cornice detail from his 1781 Connecticut Avenue office building. *(Photo: Thomas H. Greene/DMSAS)*

1718 Connecticut Avenue, a speculative office building in Washington, D.C., is one of Schwarz's early projects. Smack in the middle of the Dupont Circle Historic District, Schwarz used detail derived from the District's eclectic mix of 19th-century buildings and carefully considered massing to make a much-welcomed addition to the neighborhood. The top two floors, partially hidden behind a dormered Mansard roof, are set back atop the first six floors so that from the sidewalk, the building appears to meet Washington's almost universal six-story ceiling. *(Photo: Fred Sons)*

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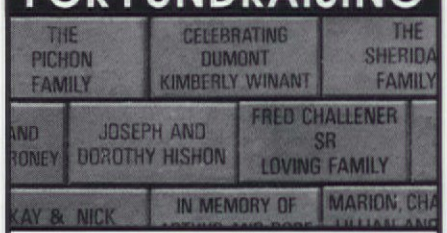

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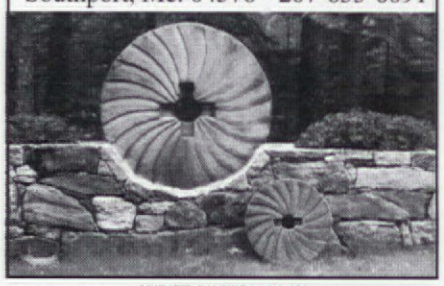

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SCHWARZ, continued from page 24

Planning Places

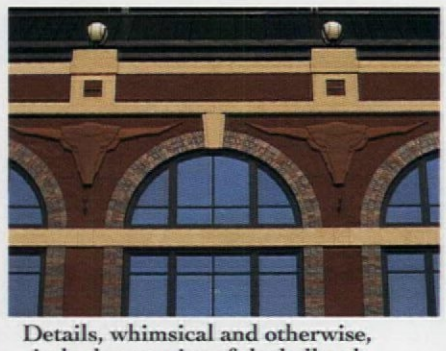
Schwarz, at his most concise moment, says, "Our primary interest is to make places for people." This thinking applies at the level of master planning through the smallest building detail. A significant portion of the firm's work is master-planning projects. These vary from the 300-acre mixed-use site surrounding The Ballpark at Arlington outside Fort Worth, to the master plan for a 60-block area in the city's urban core. The firm participated in the master plans for two new towns: Victory, a 60-acre development adjacent to downtown Dallas and encompassing The American Airlines Center sports arena designed by the firm and currently under construction; and Southlake, Tex., a 135-acre town center development to be implemented over 20 years.

David M. Schwarz Architectural Services added master planning to its repertoire by default or what Schwarz calls by accident. "We got into master planning as we discovered we were getting sites we didn't like. We figured the best way to get a good site was to design it, so we sought the opportunity to do so. This made it much easier to design the building, because a good site makes it much easier to do good buildings." Today, master planning is not an offshoot of building-design commissions, but an expertise that clients are seeking from Schwarz for their large-scale projects. These master plans inevitably involve retail and residential components that are driven by what Schwarz views as America's best urban feature: its towns. "The American town — prewar — is the most original thing America has produced in the built environment," claims Schwarz. "It is a purely American phenomenon."

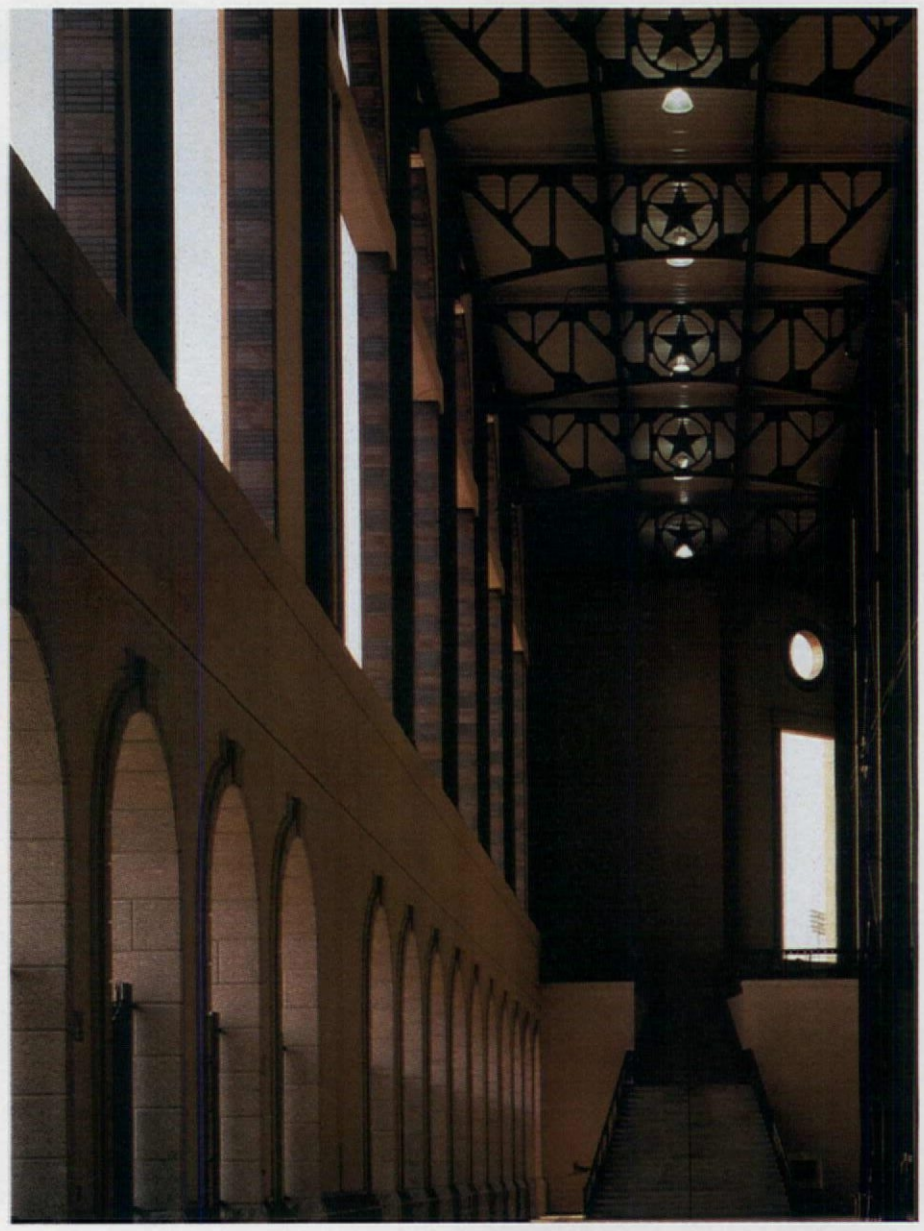
Whether planning a new town center-type community or a community in the midst of an existing downtown urban grid, Schwarz's planning team draws on the strengths it finds imbedded in this traditional American-town prototype. For example, the concept of less car time. "We are very, very committed to the notion of pedestrianism," says Schwarz, "It is important to get people out of their hermetically sealed environments — their houses and cars — by creating places they want to go; places where they can meet and interact casually with others." Acknowledging that the automobile is a fixed part of our society, Schwarz is only suggesting that the number of times we use it is adjustable. The firm's master plans strive to promote multiple activities and tasks at a single destination. Whether making sure a residential development in a downtown area has basic amenities — like groceries — within walking distance, or putting

continued on page 210

When completed in 2001, the American Airlines Center will become the new home of the Dallas Mavricks and the Dallas Stars. The 750,000-sq.ft., 18,500-seat arena is faced in red brick and Indiana limestone, a combination Schwarz uses on many of his projects quite handsomely. *(Model builder: Mark Gawor)*



Details, whimsical and otherwise, circle the exterior of the ballpark. The materials are brick, cast stone and granite from Marble Falls, Tex. There are 35 "baseball" lights and cast-stone steer heads above the arched concourse windows and a cast bas-relief frieze depicting Texas history below. *(Photo: Jim Hedrich/Hedrich Blessing Photography)*



Green-painted steel trusses incorporating the Texas lone-star motif are a signature detail of The Ballpark at Arlington. The roof trusses recall those of the original Yankee Stadium (1923) in The Bronx, N.Y. A few decades can make for notable evolution of any building type. The new ballpark is considerably more spacious with its soaring, multi-story outer concourse, over 100 concession stands, and 50 percent more restrooms than the stadium it replaced. *(Photo: Jim Hedrich/Hedrich Blessing Photography)*

In the middle of a suburban prairie, the Home Plate gate at The Ballpark at Arlington beckons baseball fans old and new. The $189 million project, designed by David M. Schwarz Architectural Services, exemplifies the best in amenities and revenue generation that has come of the fairly recent trend away from generic stadiums and back to ballparks. Most important, the sky is visible above and the grass is real. *(Photo: Jim Hedrich/Hedrich Blessing Photography)*

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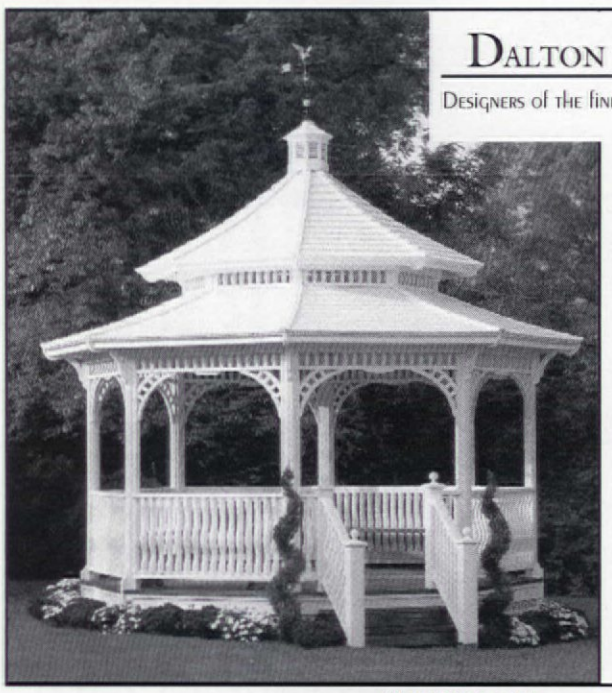

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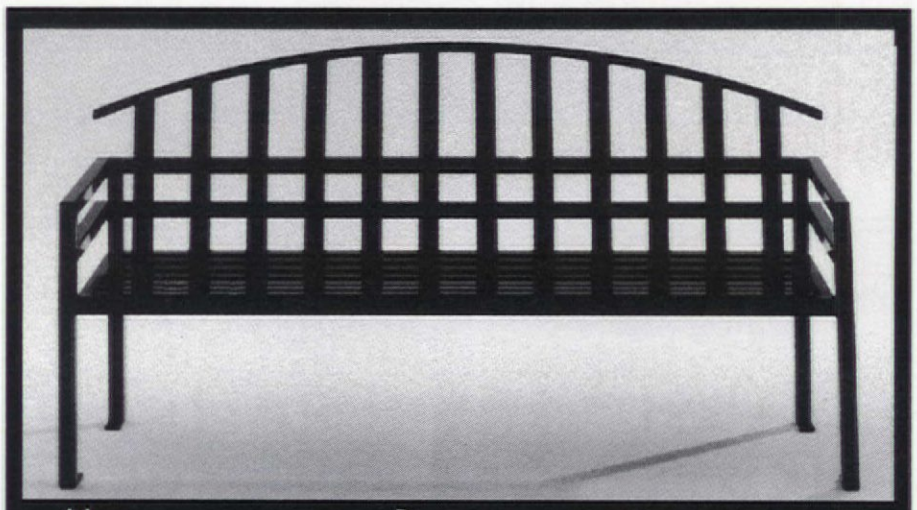

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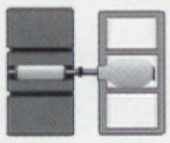

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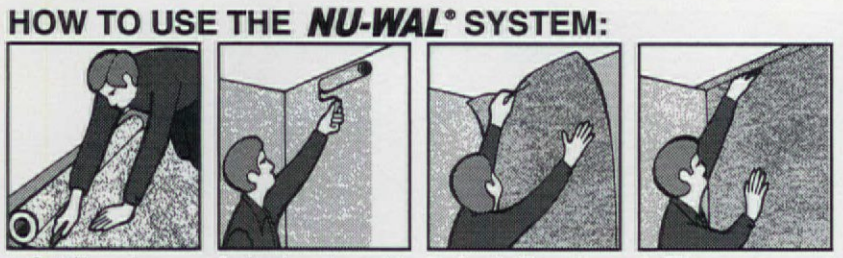

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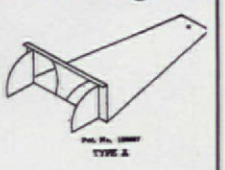

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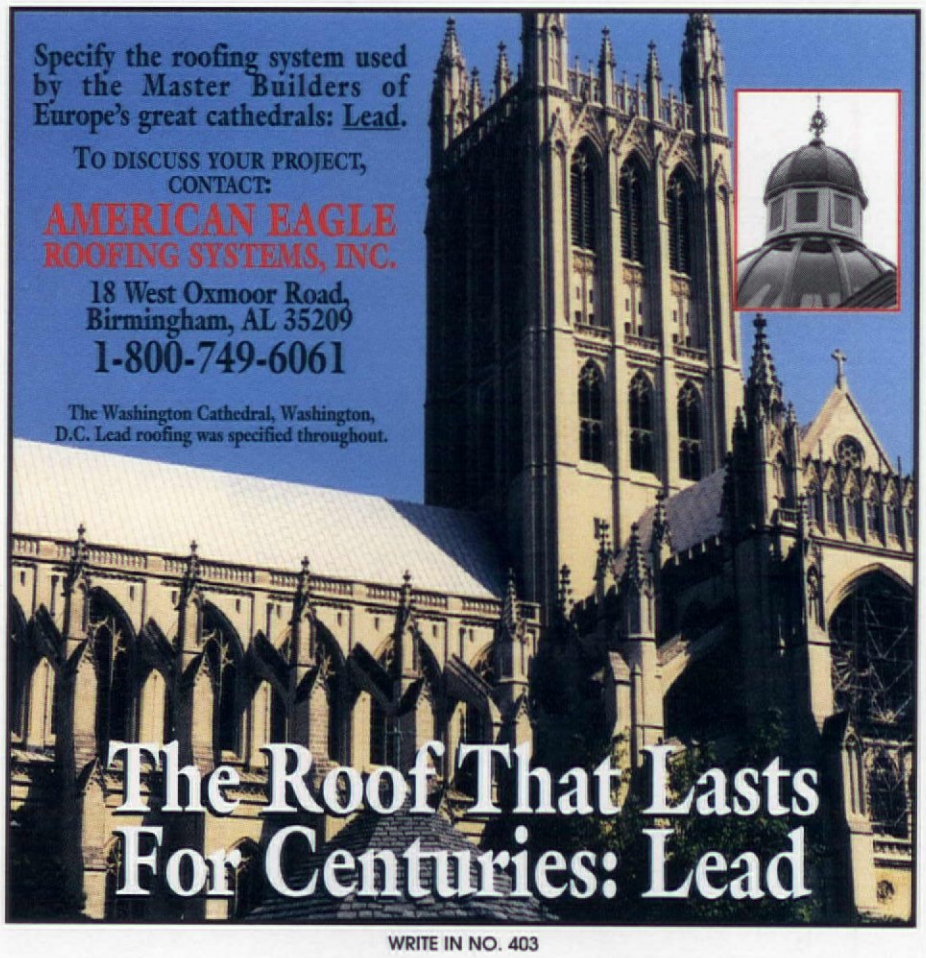

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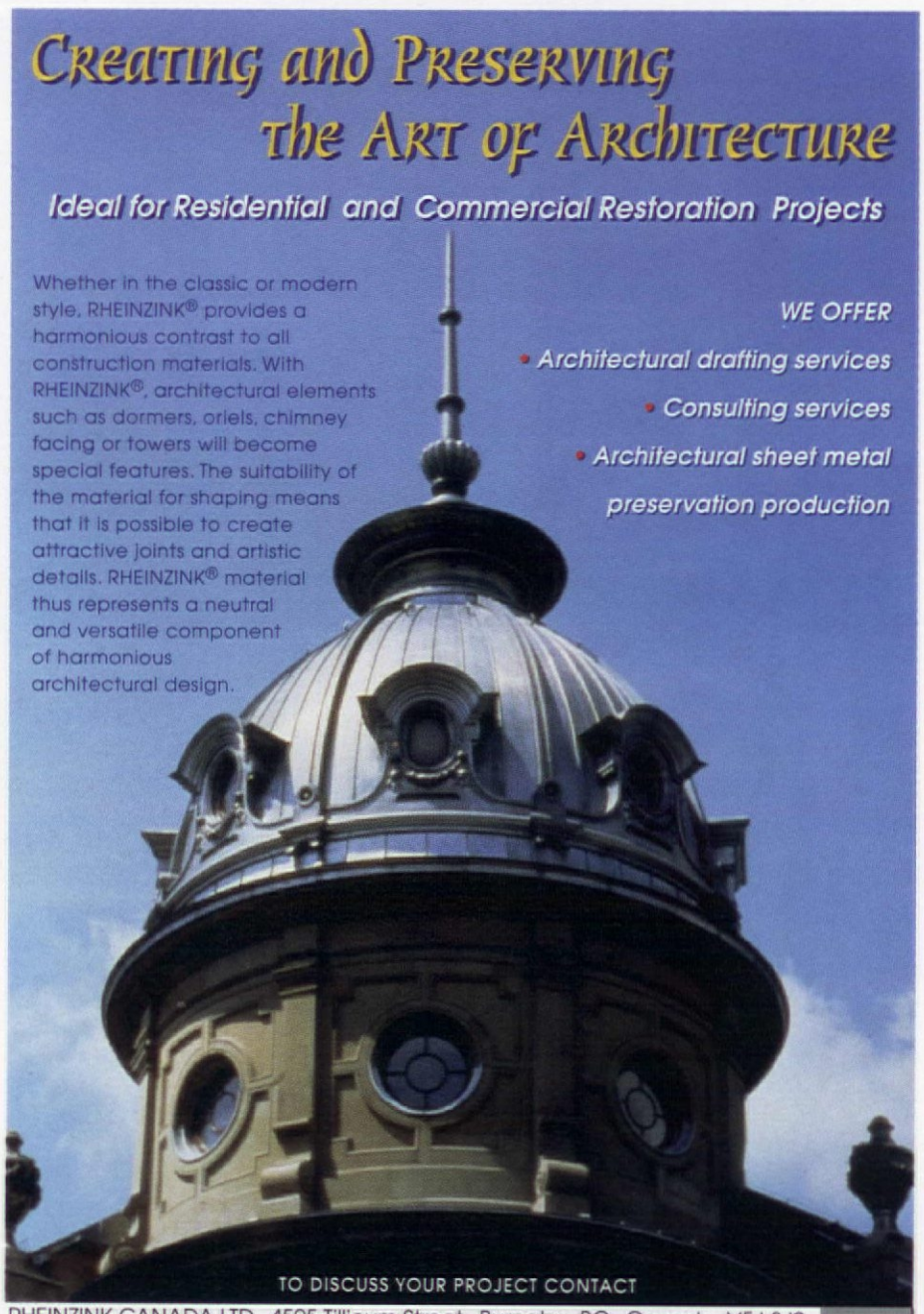

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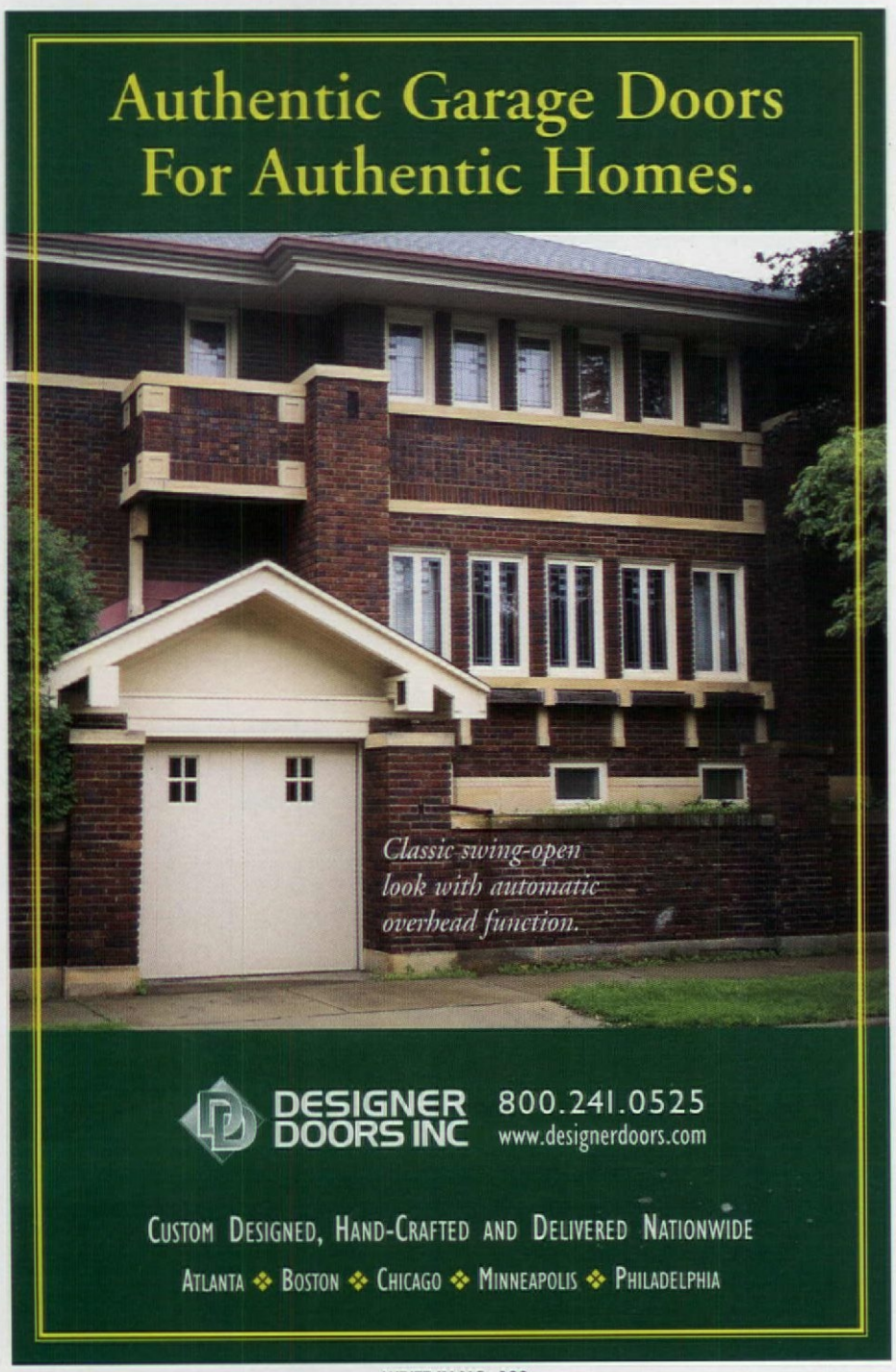

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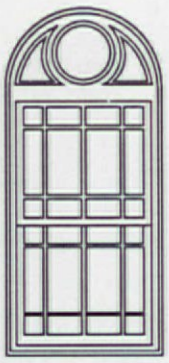

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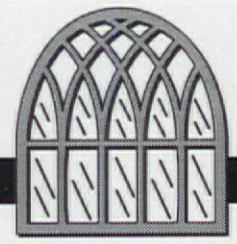

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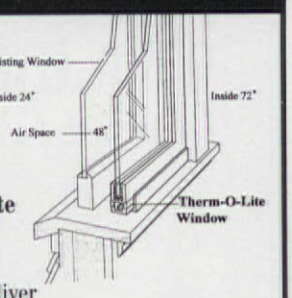

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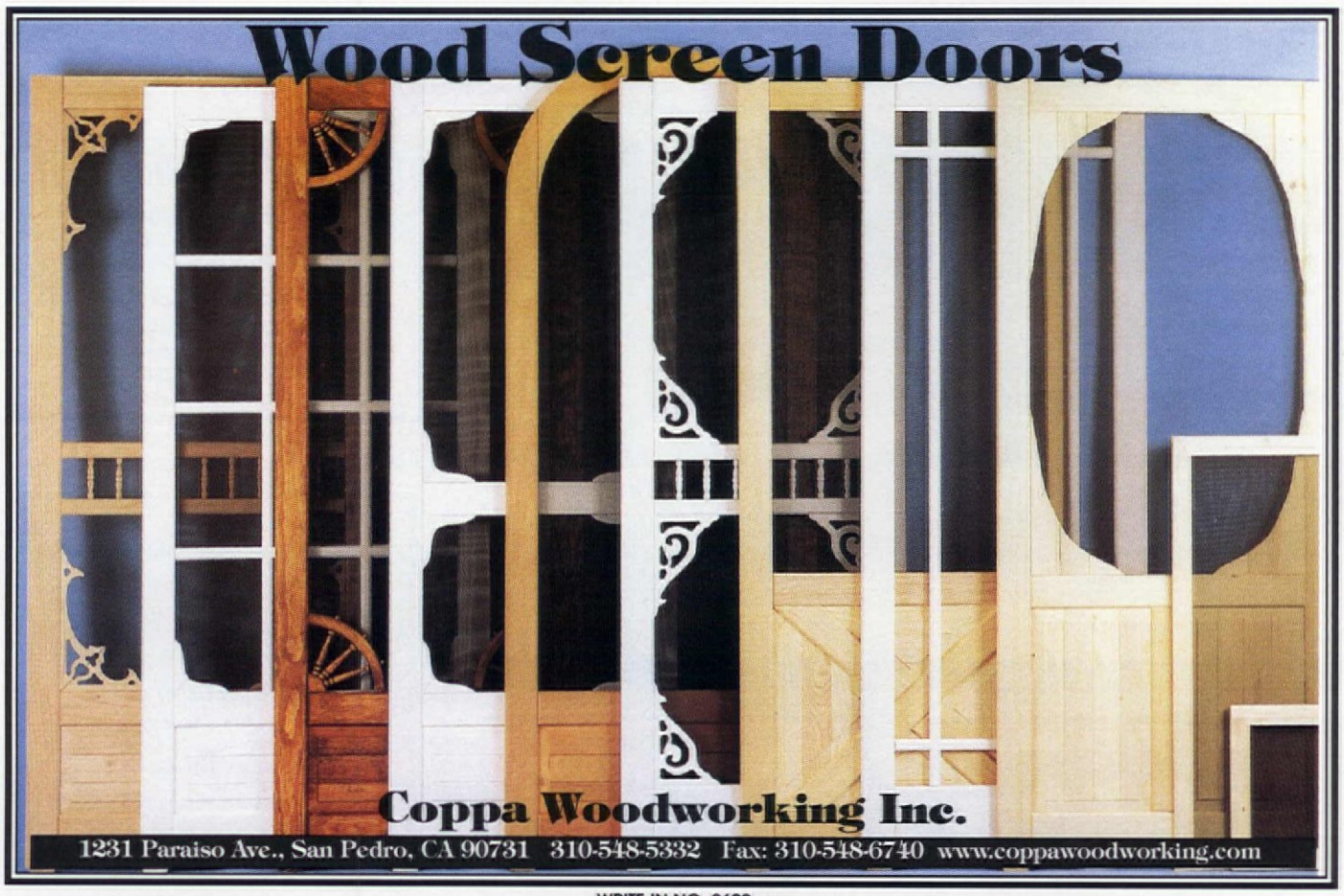

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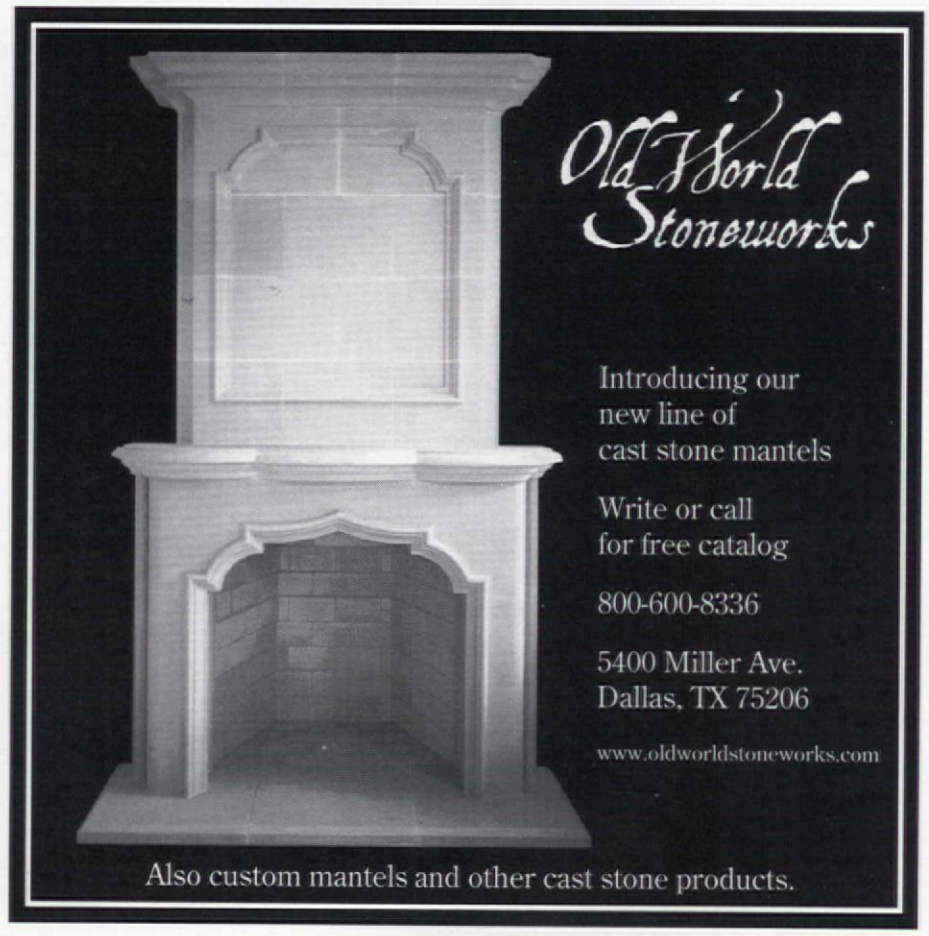

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CALENDAR OF EVENTS

PRESERVATION OF MASONRY STRUCTURES. A one-day workshop on evaluation and repair of masonry wall systems is being held **Sat., Nov. 11, 2000,** in New York City at the Brickwork Design Center. For detailed program information and reservations at $200 per person, contact Michael Gurevich at (212) 684-4229. Or fax (212) 686-4387.

4th ANNUAL INTL. PRESERVATION TRADES WORKSHOP. IPTW 2000 will be held **Nov. 13-15, 2000** at the Pennsylvania Farm Show Complex in Harrisburg, PA. IPTW 2000 will explore the theme "Convergence: Architecture and Craft" through demonstrations, presentations, and round-table discussions. Preservation tradespeople will demonstrate a variety of skills and traditional crafts, as well as the application of new techniques and technologies in the preservation of historic structures. For more information, log onto www.iptw.org. Or contact the Preservation Trades Network at phone (703) 406-8319, or fax (703) 450-0119.

SCAGLIOLA WORKSHOP. Five-day hands-on workshop on scagliola covers everything from grinding and mixing pigments to actually making and polishing the "scag." Workshop is being held **Mon., Jan. 8, to Fri., Jan. 12, 2001** in Essex, N.Y., on Lake Champlain. Total cost of Workshop package is $1,400. For more details, contact Michael J. Kempster at 800-352-5915.

RESTORATION SHOW/2001. The Restoration & Renovation Show & Conference will move to Washington, D.C., **January 15-17, 2001.** For more information, call (800) 982-6247, or log onto the Show Website at www.egiexhib.com.

PRESERVATION EXPO 2001. The Saratoga Springs Preservation Foundation will hold its 3rd Annual Preservation Expo **Feb. 24-25, 2001** at the City Center in Saratoga Springs, N.Y. The Expo will feature specialty products, artisans, and resources for the preservation, restoration, and renovation of historic buildings, in addition to seminars and workshops. For more information, log onto www.saratogapreservation.org.

AIA 2001 NATIONAL CONVENTION & EXPO. The Denver Colorado Convention Center will be host to the Am. Institute of Architect's Annual Meeting and Expo, **May 17-19, 2001.** Theme for the Meeting is "Leaders and Partners in Creating Community." AIA members can earn the 18 Learning Unit hours needed to maintain AIA membership while in Denver. **TRADITIONAL BUILDING** Magazine will be sponsoring Restoration Products Pavilion at the Expo. For more information on the Expo and Restoration Products Pavilion, Fax (718) 636-0750.

WORKSHOPS: ORNAMENTAL PLASTER, SCAGLIOLA, VENETIAN PLASTER. Master craftsman conducts hands-on workshops in all of the traditional ornamental "wet plaster" skills throughout 2001. Workshops run from one to several days; customized workshops can also be arranged. For details and schedule, log onto www.masterofplaster.com, or call 800-352-5915.

SPECIAL ANNUAL EDITION

PUBLIC INTERIORS

For this, our Special Annual Edition on Interiors for Commercial and Public Buildings, we have compiled our largest-ever roster of Special Features, listed below. Those features each consist of a *SourceList* and companion Photo Portfolio. To assemble this Special Feature, we surveyed our company database, and from the non-residential suppliers that responded, selected the 484 you'll find on the following 177 pages. To launch this Special Section, we begin with 5 projects submitted by our subscribers.

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RECENT PROJECTS FROM OUR SUBSCRIBERS

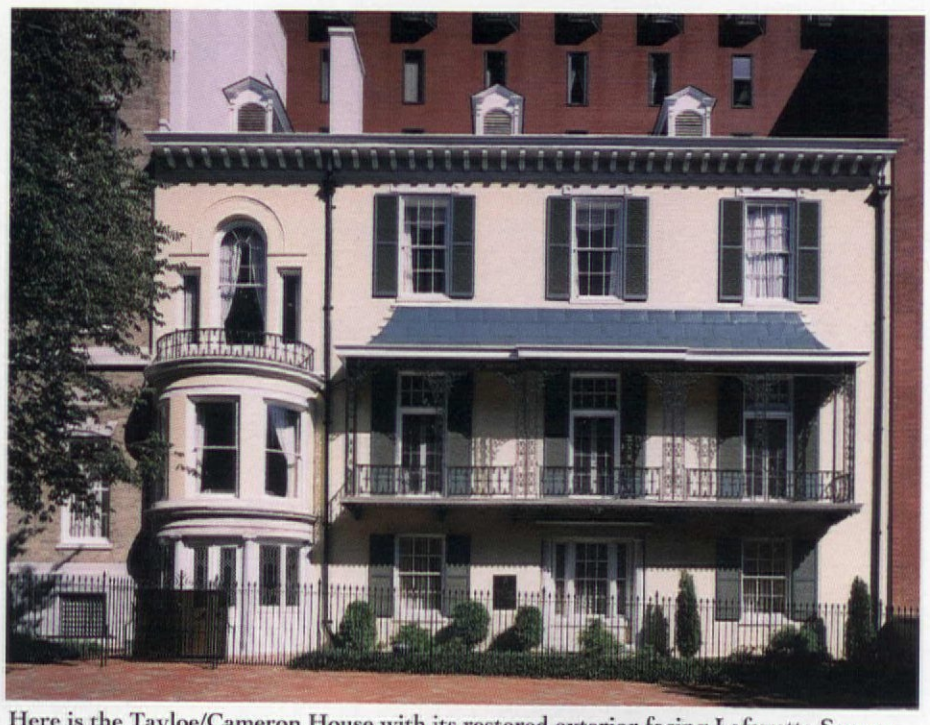
PROJECT: RESTORATION OF THE MADISON/COSMOS/TAYLOE COMPLEX, WASHINGTON, D.C.;
ARCHITECT: EINHORN YAFFEE PRESCOTT, ARCHITECTURE & ENGINEERING, P.C., WASHINGTON, D.C.

CONSULTANTS: OAK GROVE DESIGN (SPECIALTY CONSTRUCTION AND DESIGN); MARGOT WILSON (INTERIOR DESIGN); SEAL ENGINEERING (WATERPROOFING); FDE STRUCTURAL (STRUCTURAL ENGINEERING)

The restoration of the Madison/Cosmos/Tayloe complex, located on Lafayette Square in Washington, D.C., continues to provide the United States Court of Appeals for the Federal Court with a historically rich

The interior vestibule restoration required a complete overhaul. The floor had a structural failing with a large crack damaging the mosaic pattern. EYP shored up the floor, repaired the under structure and repaired or replaced floor tile as needed. They removed damaged glass panels for repair. Water damage from a leaky roof required a complete ceiling repair.

This exterior view of the Dolley Madison House faces H Street and Madison Place. Stucco was repaired; decorative ironwork on the balcony was cleaned, rebuilt, and repaired; roofs were made watertight; exterior brick was cleaned; and gardens were uprooted — to allow for walls to be waterproofed — and then replanted.



Here is the Tayloe/Cameron House with its restored exterior facing Lafayette Square. Restoration on the vestibule on the left included roof repair and waterproofing (see the interior restoration at left.)

continued on following page

backdrop, as well as a fully functional office space. Commonly known as the Dolley Madison House, the complex was originally built circa 1820, with additions in 1851, 1887, and 1893. President James Madison and his wife Dolley purchased the house in 1823, and Dolley lived there permanently from 1843 until her death in 1849.

The Madison House was bought in 1886 by the Cosmos Club, a men's club. They built the Club (now called the Cosmos Building) between the Madison and Tayloe Buildings in 1919; the Club also bought the Tayloe Building that same year. As the Club acquired all these properties, they became unified as one structure. In 1941 the entire complex was sold to the Federal Government, and Federal agencies have occupied the buildings since 1952, with the complex evolving to accommodate a variety of uses and owners. Currently used by the U.S. Court of Appeals for the Federal Court, the first floor contains reception rooms, dining rooms, and meeting and office spaces. Upper floors consist of administrative space, and the basement includes mechanical and electrical services, support spaces, and storage.

In 1996, the General Services Administration (GSA), a federal agency and owner of the Dolley Madison/Cosmos/Tayloe Complex, brought in Einhorn Yaffee Prescott, Architecture & Engineering (EYP), to return the buildings to their original configuration. Relying heavily upon a Historic Structures Report compiled by the GSA preservation office, EYP began its assignment of renovating the interior and exterior of the complex.

The initial work focused on the interiors of the public areas at Madison House and the Cosmos building. Work included the removal of features inappropriate to the time period, such as lowered ceilings and inaccurate hardware. Electrical and mechanical modifications were made, a new wood floor was installed, and all the interiors were repainted based on historic-paint analysis. The interior vestibule of the Tayloe/Cameron House was completely disassembled and rebuilt, and its glazing was restored. Along with the aesthetic improvements, EYP had to meet modern security, communication, and HVAC requirements. All work was carried out in accordance with the requirements in the Historic Structures Report and in coordination with GSA and Court representatives.

Exterior renovation of the complex included the cleaning, repair, and repointing of the brick, limestone, and sandstone facades. The floors and roofs of the balconies were rebuilt, the windows were repaired or replaced with historically correct reproductions, a historic floor mosaic was repaired, and a wheelchair lift was added to improve accessibility to the buildings. Additionally, a glass arcade (vintage 1963) was reconstructed to comply with security requirements. The exterior circulation was changed and a new elevated dining terrace was created. Finally, the entire perimeter was waterproofed, adjacent brick sidewalks were replaced, and the landscaping was designed to be consistent with National Park Service plans for Lafayette Park.

According to EYP Principal David Kemnitzer, the most challenging aspect of this project was meeting its very specific historical requirements: "Restoring the buildings to their original 1850s style required in-depth historical research." EYP relied heavily on historic photographs and books to help them accurately restore the original H Street entrance and duplicate the building's fixtures, moldings, and hardware. Kemnitzer believes that the project successfully allows the public to truly envision how people lived in the mid-19th century. ■

The newly restored carved-wood columns and cornice in the Dolley Madison House sitting room are part of the original construction and had suffered physical abuse.

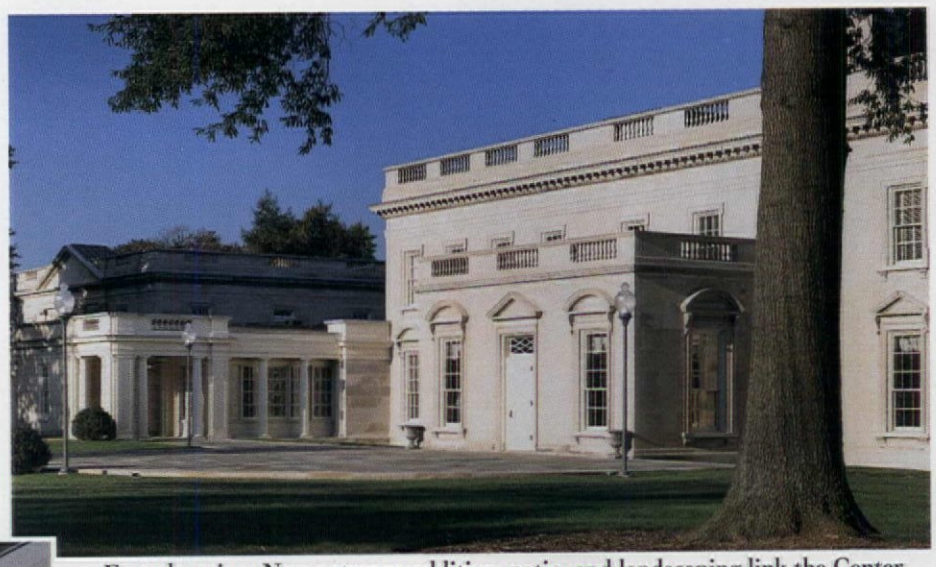
This parlor/sitting room, facing Lafayette Square, was added to the house after Dolley Madison died. Water damage, inappropriate moldings and fireplace, a discordant look, and "modern" touches drove the restoration. Improvements to the room were, in part, conjectural on the part of EYP to create a room that evoked historic accuracy.

PROJECT: THE VIRGINIA MUSEUM OF FINE ARTS CENTER FOR EDUCATION AND OUTREACH

ARCHITECT: THE GLAVE FIRM, RICHMOND, VA.

CONSULTANTS: HELEN SCOTT TOWNSEND REED (RESTORATION); SUSAN L. WINTHER (HISTORICAL INTERIORS); ADDITIONAL INTERIOR DECORATION/RESTORATION CONSULTANTS: DAVID BRADLEY, VIRGINIA MUSEUM OF FINE ARTS FOUNDATION; DAVID PARK CURRY, CURATOR OF AMERICAN ARTS BEFORE 1900, VIRGINIA MUSEUM OF FINE ARTS; CHRISTOPHER MONKHOUSE, CURATOR OF DECORATIVE ARTS FOR THE MINNEAPOLIS INSTITUTE OF ART

The stately Virginia Museum of Fine Arts Center for Education and Outreach was formerly the Home for Needy Confederate Women, built in 1931. The design for the Federal Revival exterior was adapted from Irish architect James Hoban's original late-18th-century plan for the north facade of the White House in Washington, D.C. Virginia architect Merril C. Lee was at the helm when construction began on the Home, which officially opened in 1932.



East elevation: New entrance addition, patio, and landscaping link the Center for Education and Outreach to the nearby Virginia Museum of Fine Arts building.

West Elevation: Restored limestone facade shows the resemblance to the White House in this view of the original two-story portico entrance.

For nearly 60 years the two-story limestone building on Richmond's North Sheppard Street served as a home for female relatives of Confederate veterans. Previously, the site was Robert E. Lee Camp No. 1 and housed impoverished and disabled veterans. Now the Museum's campus occupies the property, still anchored by the Confederate Memorial Chapel on the southwest corner and the Robinson House, the original farmhouse, on the northern end of the site.

In 1989 the seven remaining residents of the Home vacated the building and the Commonwealth endeavored to transfer the property to the Virginia Museum of Fine Arts, located adjacent to the Home. The deed of transfer states, "the North Sheppard Street facade, the building's architectural detail, the proportions of the interior entrance hall, parlor, and exterior, shall remain intact."

continued on following page

Enter The Glave Firm, a Richmond-based architectural firm known for its restoration design. The landmarked Home, with its pedimented portico and molded architraves above the columns, is a fine example of Federal Revival style. The interior decoration is more typical of the Colonial Revival style popularized by the 1876 Centennial in Philadelphia. Formal woodwork decorates the public spaces: the entrance hall, the long hall that runs the length of the building, the parlor, and the dining room. The Glave Firm meticulously restored the house for its new use as the Center for Education and Outreach.

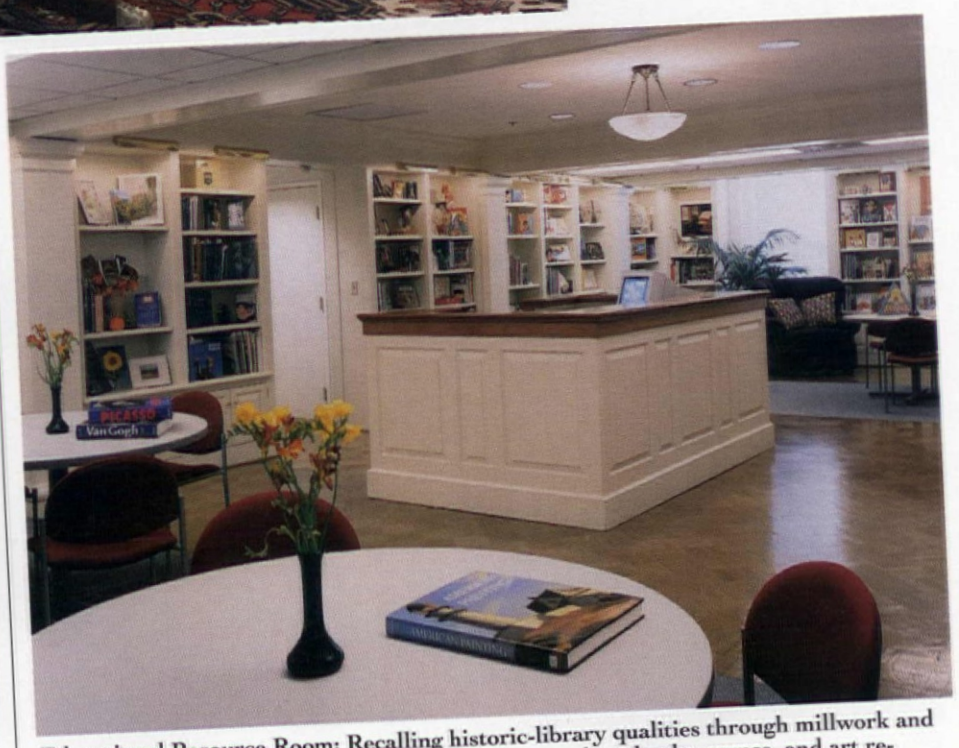
The renovated structure now houses classrooms, a resource library, and event spaces, as well as non-curatorial museum functions such as marketing, public affairs, publications, and photographic and computer services. All new mechanical, electrical, plumbing, and fire-safety systems were included in the project scope. The carefully planned loading dock and back-of-house spaces provide for daily deliveries and event support, including catering, kitchen, and prep areas. Public access to the historic interior was particularly considered and led to the integral design of function and event areas. Although the restored Home now features state-of-the-art technological and audiovisual services, The Glave Firm saw to it that the residential and traditional character of the building remained. ■

Projects continued on following page

Above: Reception-area hallway: Formal woodwork and 18th-century reproduction wallpaper emphasize the attention to detail found throughout the historic areas.

Left: The gracious Dining Room features the "Monuments of Paris," a reproduction French wallpaper originally produced in 1815 by Joseph Dufour from more than 2,000 hand-carved blocks.

Parlor: A mantel and pedimented overmantel, plaster and woodwork, and crystal chandeliers and sconces lend a formal character to the Parlor, a space used for public receptions and special events.



Educational Resource Room: Recalling historic-library qualities through millwork and lighting, the resource room provides a quiet haven where books, games, and art resources encourage educators, children, and families to explore new avenues of art. *(All photographs of Virginia Museum of Art by Maxwell Mackenzie)*

PROJECT: FORBES LIBRARY, NORTHAMPTON, MASS.
ARCHITECT: ARC/ARCHITECTURAL RESOURCES, CAMBRIDGE, INC., CAMBRIDGE, MASS.

CONSULTANTS: JOHN BORN (STRUCTURAL); PEQUOD ASSOCIATES (M/P); THOMPSON ENGINEERING CO. (ELECTRICAL); LIBRARY DIRECTOR: BLAISE BISAILLON

Located in Northampton, Mass., the Forbes Library was recently renovated not only to restore the building's eclectic architecture but also to create a more efficient and technologically updated facility. The architects designed and reorganized all aspects of the 20,000-sq.ft. ground floor and mezzanine, achieving a spacious interior that is fully compatible with the historical context of the existing architecture. All details and architectural elements were evaluated to determine how much could remain unchanged, be repositioned, or be reused. New motifs were designed to enhance and strengthen the character of the old library.

The historic library features existing masonry bearing walls and an original Guastavino tile ceiling which was carefully restored. During this process, new electrical and mechanical systems were installed throughout the library, concealed behind the ceiling. New internet-access stations in the reference areas were also added, along with outlets at all desks in the library for personal computer use.

Within the confines of the existing floor-tile pattern, a new circulation desk was

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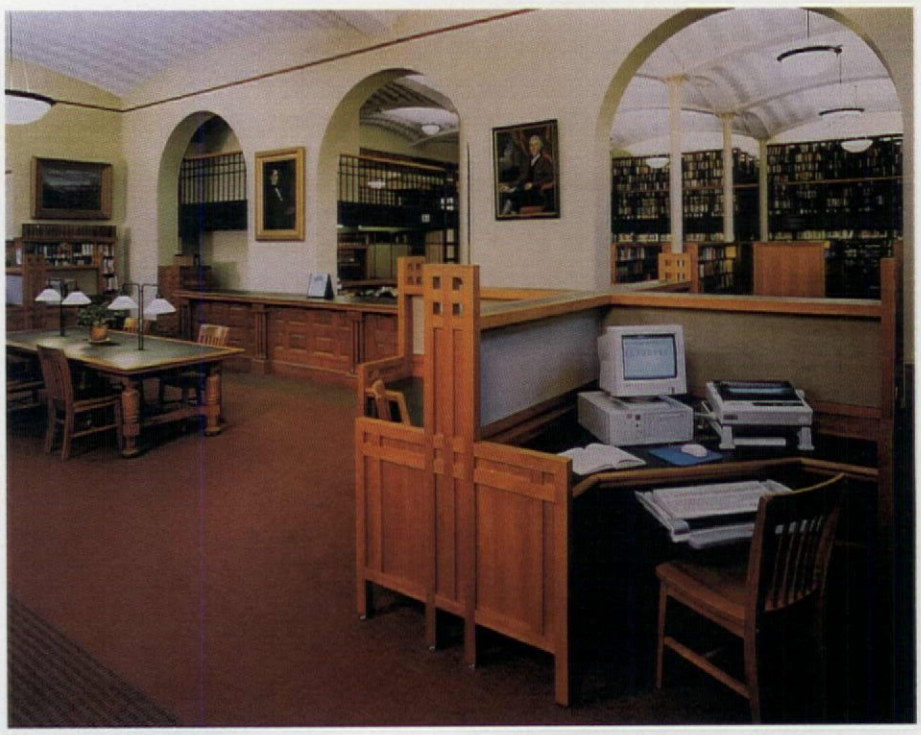
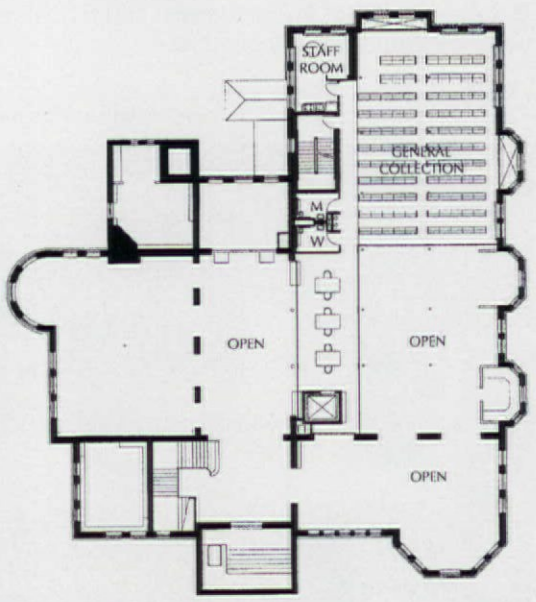
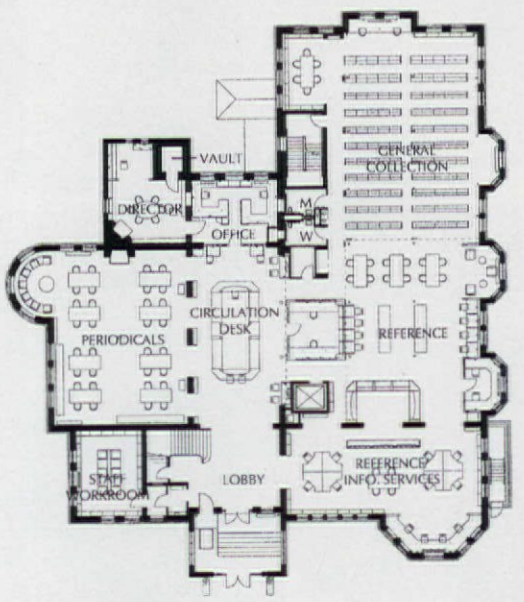


The architect-designed furniture in the reference area features new motifs that are repeated throughout the building and are compatible with original details on the building.

Shown: The Forbes Library's north facade. Built in 1894, the building was constructed of granite, brownstone, and limestone with a slate roof and copper flashing.

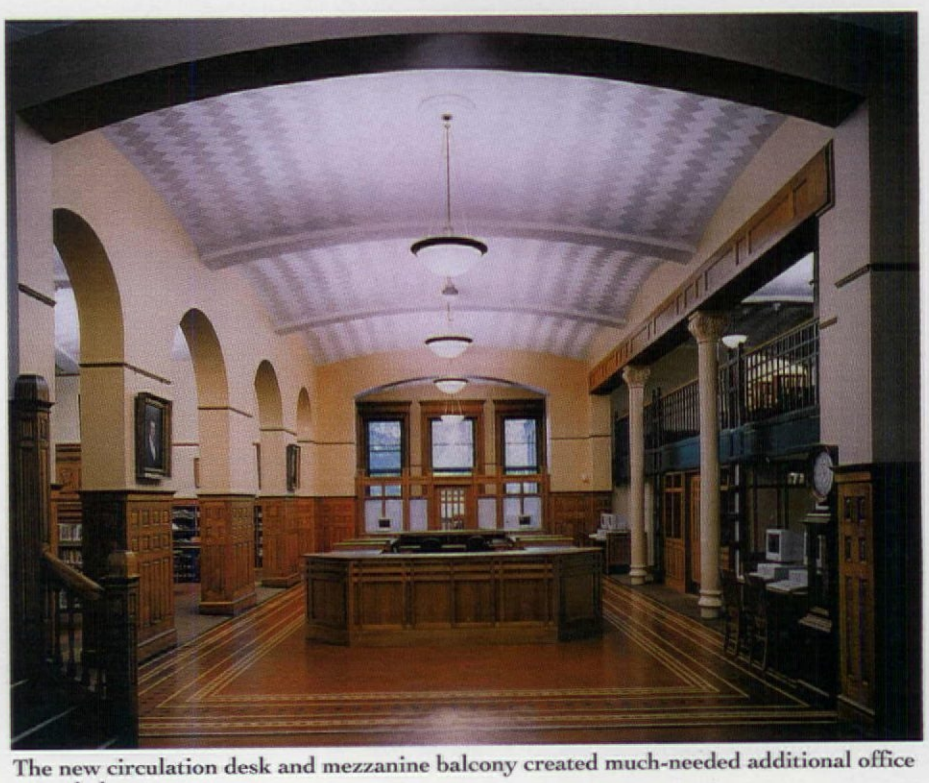


Mezzanine Level floor plan.

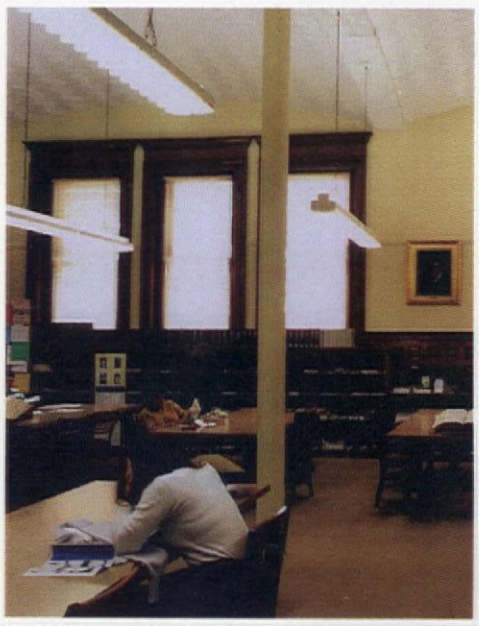


First-floor plan.

This view of the reference area with a new LAN station also features the original paneled wainscoting that was refinished. The tile floor (in the foreground) was completely reconstructed; wherever there were missing or cracked tiles, the architects used existing tile from other locations in the library.

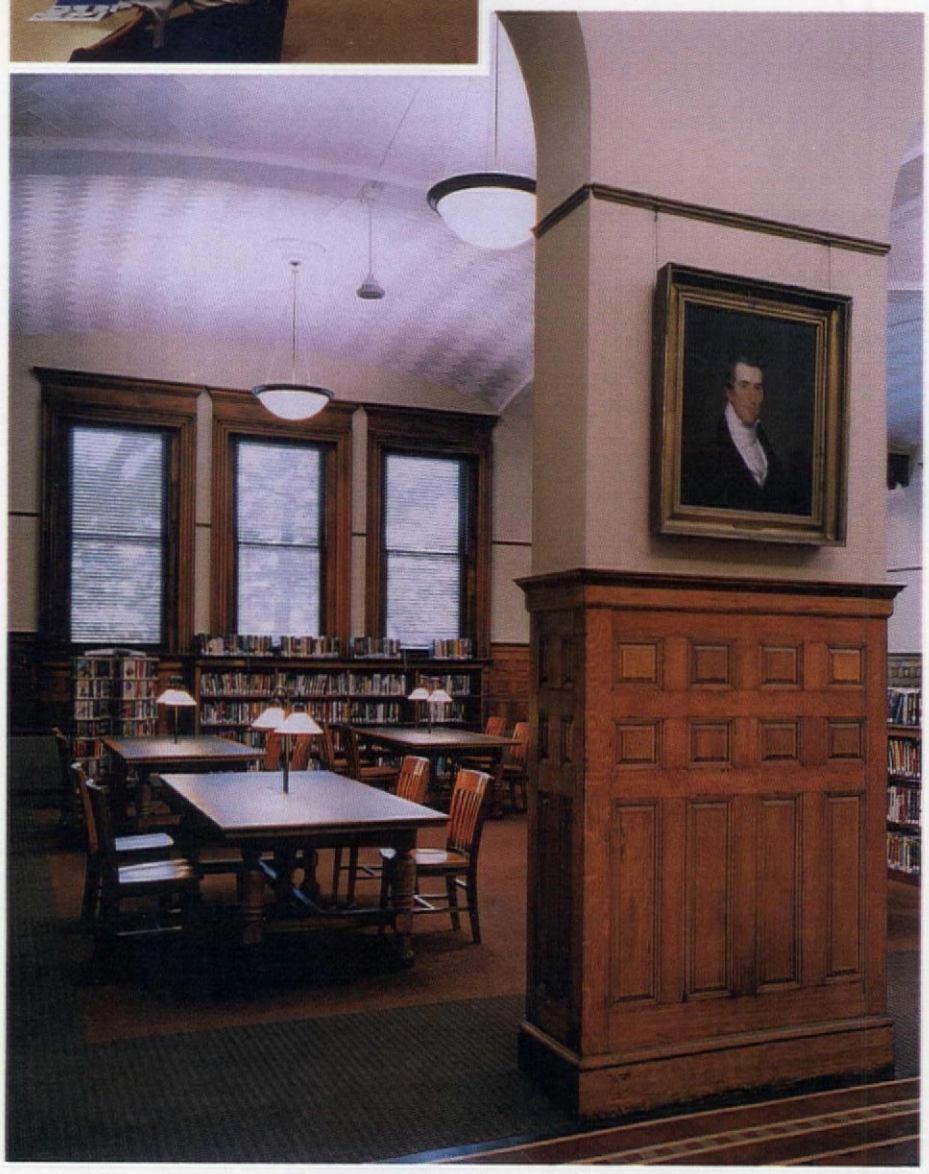


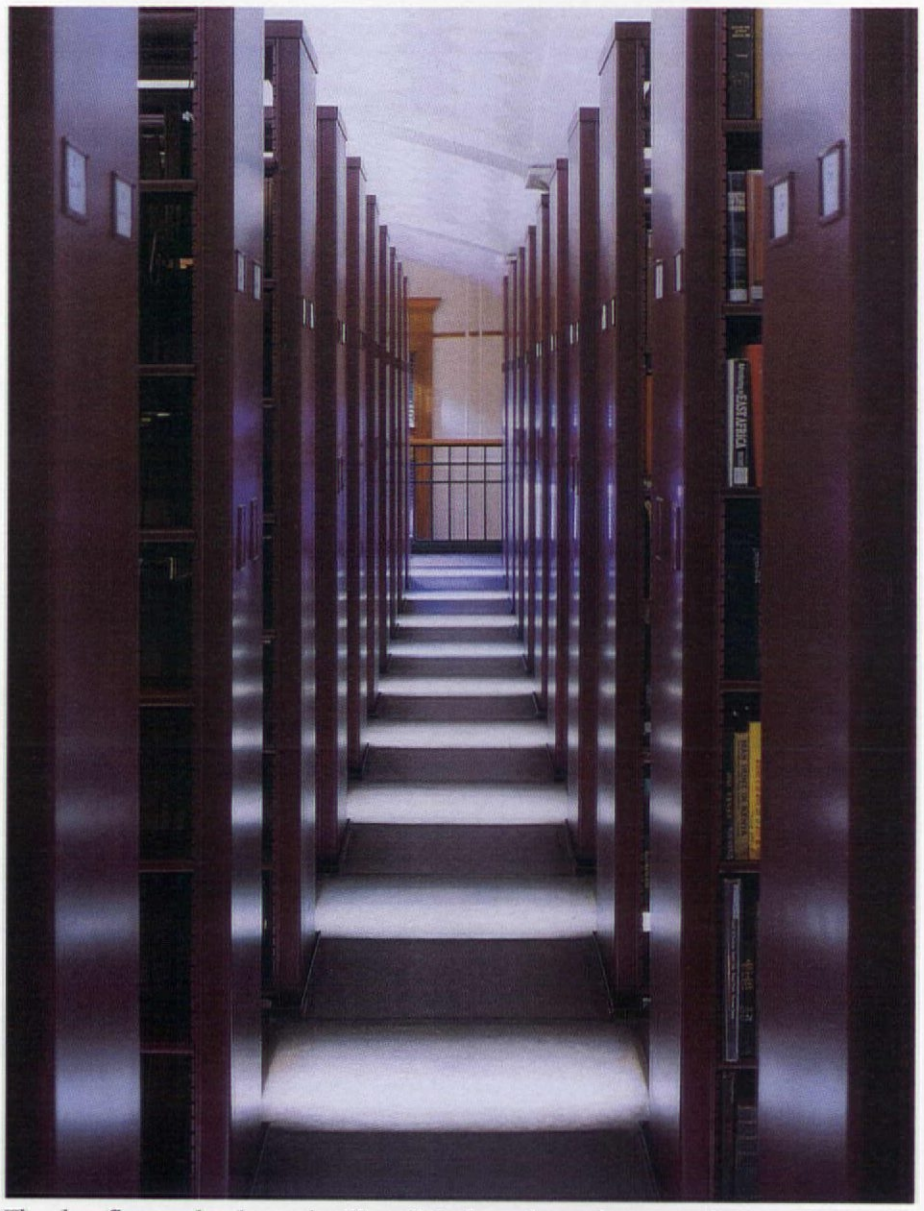
The new circulation desk and mezzanine balcony created much-needed additional office space below.



Left: Reading Room prior to renovation.

Below: The newly refinished Reading Room tables feature specially designed light fixtures.





The glass floor under the stacks allows light from the stack area on the lower level to illuminate the mezzanine floor.

Before: View of the Lobby looking toward the entrance prior to renovation.

After: Computer monitors were "sunk" into the surface of the circulation desk to provide a clear view of all library patrons entering and exiting the building.

located in a centralized position to relieve interior congestion. Additionally, study tables were resurfaced and fitted with specially designed light fixtures, and all interior woodwork was stripped and refinished. A new mezzanine bridge connects the existing elevator with the restored existing glass-floored stacks and the new bathroom facilities on that level.

The overall renovations created a more comfortable and user-friendly environment for both patrons and staff. In addition to lounges and administrative offices, work areas for the staff were increased and the 265,000-volume collection was reduced and reorganized. A local history room was the result of consolidating relevant materials and information which previously had been dispersed throughout the library.

This interiors project completed Phase I of the library's renovations. ARC has since begun the design for Phase II, which will include similar renovations to the library's second-floor art and music collection and the Calvin Coolidge Room. With construction to begin later this year, occupancy is anticipated in 2001. ■

Projects continued on following page

PROJECT: LOOKAWAY GOLF CLUB, BUCKINGHAM TOWNSHIP, PA.

ARCHITECT: MOECKEL CARBONELL ASSOCIATES, INC., WILMINGTON, DEL.

CONSULTANTS: WELLS APPEL (LANDSCAPE ARCHITECT); VANCLEEF ENGINEERING (ENGINEERING); BRUCE T. LESSER (CUSTOM BUILDER)

To build this new championship golf facility, the founders of the Lookaway Golf Club purchased a 210-acre former dairy farm in Buckingham Township, Bucks County. The old complex of fieldstone farm buildings, anchored by an 18th-century farmhouse and forming a natural courtyard, serves as the basis for a unique 15,000-sq.ft. clubhouse. The Club felt that the physical facilities should have a family atmosphere dedicated to preserving the warmth and charm of the existing farmhouse.

Front elevation of the 1752 farmhouse viewed from the practice area. The newly added Dining Room and Locker Room wing are seen to the right of the house.

This view of the restored entrance shows the rear elevation of the original farmhouse, with the new Locker Room wing to the left (see right) and restored dairy barn (now Pro Shop) to the right.

The architect's solution allowed the wonderful scale and context of the old farmhouse and surrounding buildings to inform the new expanded facility. The challenge was to more than double the usable floor space of the existing buildings while retaining the scale and dominance of the old farmhouse, which was to become the focal point of the facility.

The Lookaway Clubhouse complex was not so much designed, as it was crafted by the architect and builder working together as a team. The construction process began with selective demolition of portions of the wood superstructure of the small dairy barn/garage and the spring house. The existing stone walls were retained, and the dairy barn became the ProShop/Golf Center, featuring a rare, hand-hewn arched beam salvaged from the old roof structure. The Locker Room wing was literally built over the old spring house, the first floor of which boasts the beauty and texture of the original stone walls. A new Dining wing and Kitchen were built to connect the Locker Room wing to the old farmhouse/Manor House. This new wing, along with the beautifully repointed stone wall, completed the Courtyard that is the heart of this golf village.

Part of the Manor House's interior was then demolished to provide room for stairs and exitways. The old kitchen was removed to make room for the Bar, and partitions on the second floor were demolished to create an office suite and Board/Conference Room. The exterior of the house was stripped of its stucco to reveal more elegantly repointed stonework, and a new gabled roof was added to the house's west wing, over the original kitchen. The interiors of the house were faithfully restored to become the first-floor reception and sitting rooms, where the old original floors were turned and refinished. The Mercer tiles, carrying the crests of the family (which also became the logo for the Lookaway Dairy and now for the Club), were carefully restored in their places in the old brick floor of the original kitchen, now the Clubhouse Bar.

The special challenges for the Design/Construction Team included the numerous decisions that needed to be made in the field, as well as the meticulous craftsmanship and ingenuity required to renovate and adapt these old structures for new and very different use, without losing the charm, scale, and texture of the original complex. The attention to detail is due to the expertise of a contractor working with a support system of skilled stone masons, carpenters, and millworkers. The Lookaway Golf Club complex demonstrates how an architect and builder can work together to produce an aesthetically functional and financially superb project that reflects the best of the history and tradition of both the surrounding community and the game of golf. ■

The renovation of the parlor in the Main Lounge kept the floors, doors, and fireplace in the original structure.

The Mens' Locker Room features new knotty-pine lockers.

The Dining Room was a new addition, with exposed wood roof trusses and a fieldstone fireplace as its main attractions.

Projects continued on following page

WRITE IN NO. 95

WRITE IN NO. 53

WRITE IN NO. 9910

WRITE IN NO. 1009

WRITE IN NO. 8380

SourceList *44-56*
Portfolio *56-72*

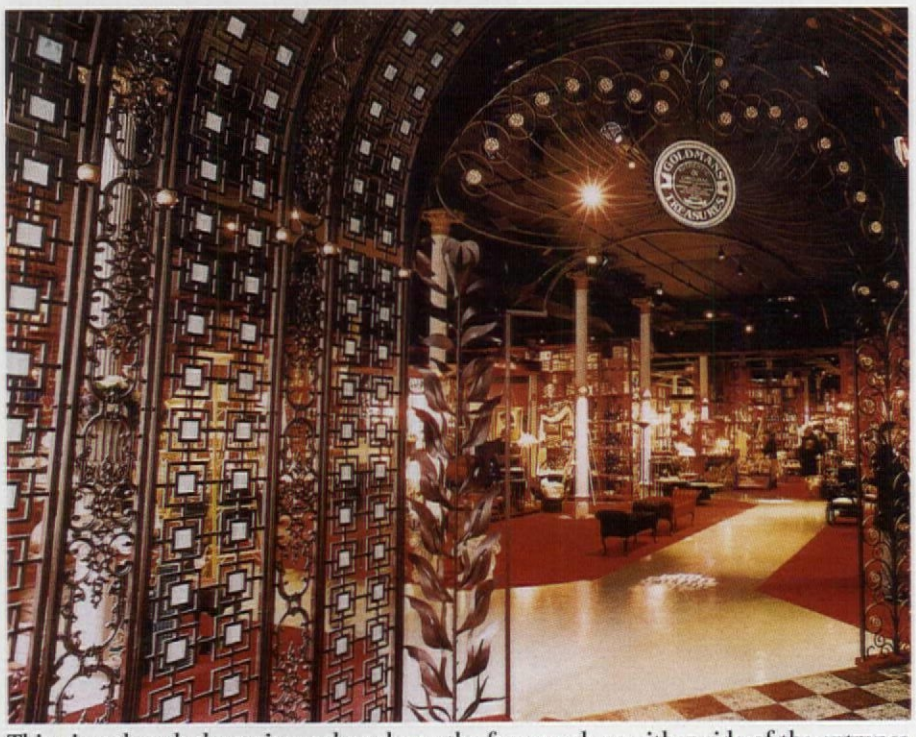
INTERIOR METAL CANOPY

A custom metal fabricating shop used its design skills to create an inviting entryway for a high-end retail store.

by Rhoda Weber Mack, Fine Architectural Metalsmiths

An atrium entrance to a crystal showroom in Manhattan won a NOMMA design award for the fabricator, Fine Architectural Metalsmiths. The atrium is a fantasy of old-world cast iron, plasma-cut design, organic forgework, and art glass, arching upward into a 14-ft. canopy overhead. The arbor was planned to create an aura of fantasy for shoppers stepping from a busy New York City street into a world of fine imported crystal. The arbor entrance, which extends 18 ft. into the store interior, was designed to entice window shoppers to step through the doorway of the store, where a 12-ft.-wide inner facade of wrought-iron flowers, leaves, and scrollwork would guide them into the store.

The canopy itself was built of grilles that are composed of two alternating casting designs, one fancifully baroque, the other geometric in form. Because of the number of castings required, the country's premier foundry, Lawler Foundry of Birmingham, Ala., had to cast a special production run to fill the order. To create the overhead canopy, Fine Architectural Metalsmiths engineered a method for curving the casting in a precise arc. Art-glass squares were then epoxied into the geometric grid of the alternating castings, creating a look of mixed-media whimsey. Entering the atrium, shoppers can catch glimpses of the glittering store displays through the screen of cast iron and glass.



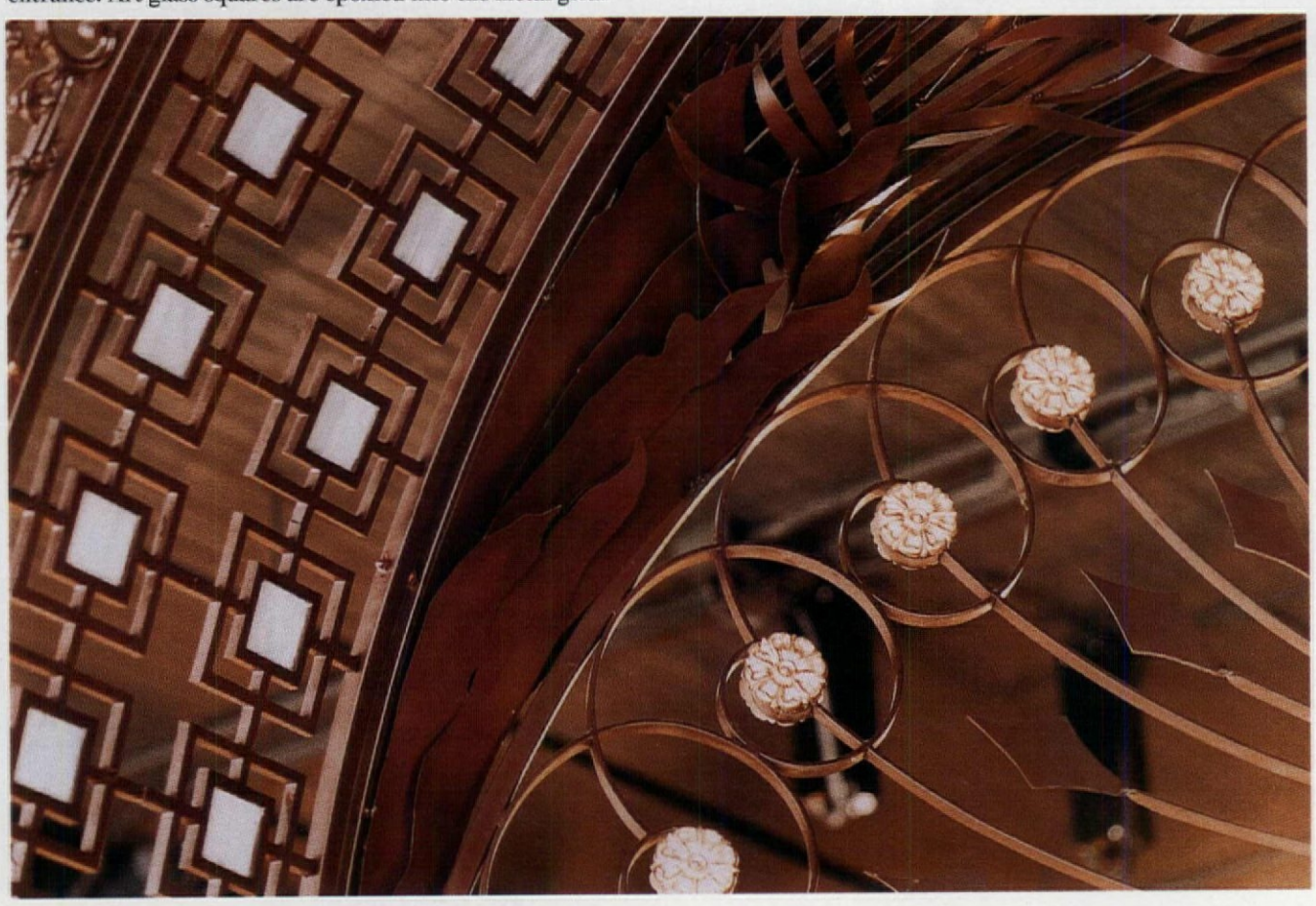
This view though the atrium arbor shows the forgework on either side of the entrance into the store. Above the entrance, large scrolls terminate in gold-leafed rosettes.

Close-up of the 8-ft.-tall forged fantasy flower that flanks one side of the doorway.

The inner facade of the atrium creates a grand entrance into the store proper, and was an opportunity to show off a variety of forgework. One side of the facade features a plasma-cut invention of organic leaves ending in an exotic iron flower. The other side is a controlled spray of traditional forged scrolls and rosettes, alternating with diamond-shaped leaf forms.

The axis of the atrium's inner facade pivoted at an angle to guide shoppers onto the main shopping aisle, and so a design dilemma developed in creating the transition from the atrium section to the wider inner-entrance facade. The solution was a "husk" of plasma-cut leaf forms at the pivot point, which open up into a leafy spread of arcs overhead.

A whimsical botanical husk of leaves connects the arbor to the overscaled forgework entrance. Art glass squares are epoxied into the metal grid.



Construction of the atrium was an exercise in solving multiple metal-engineering and -fabrication challenges. Due to the double divided door at the entrance, the atrium had to be designed to break down in pieces to fit through the narrow 33-in. doorway prior to installation. To support the structure overhead, Fine Architectural Metalsmiths created a system of hidden mechanical fasteners which holds the atrium with the rigidity required for a high-traffic public space. Another challenge was pre-engineering the structure so that it could be easily erected on site, under deadline, before the opening of the store.

The entire 12-ft.-x-14-ft.-x-18-ft. atrium was built in sections at Fine Architectural Metalsmith's forge in Florida, N.Y., and was brought to the site in the final days before the store's grand opening. A team of installers fitted sections together and constructed the last freeform details of the transition elements. The finished atrium, large enough to be a room, can be seen through the store windows shimmering its mixed media enticement to passing shoppers.■

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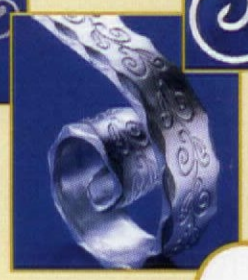

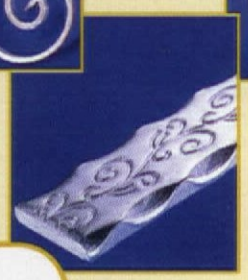

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Broken Anvil Forge 865-453-1933; Fax: 865-908-0455 P.O. Box 1321 Pigeon Forge, TN 37868	Expert blacksmith designs and executes custom wrought metalwork: garden gates, driveway gates, fencing, railings, lighting, and more.	Free Write in No. 523	✔	✔		✔	✔									Wrought iron/steel	100%
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Brosamer's Bells 517-592-9030; Fax: 517-592-4511 www.brosamersbells.com Brooklyn, MI 49230	This company, the country's largest dealer of pre-owned bells (over 40,000 lbs. in stock), buys, sells, and restores cast-bronze bells of all types, from yard, fire engine, and railroad bells, to enormous church and tower bells.	Free Write in No. 7130													Bells	Bronze	0%
Bryant Laboratory, Inc. 510-526-3141; Fax: 510-528-2948 www.sirius.com/~bry-lab Berkeley, CA 94710	Supplier of generic chemicals for making patina recipes. Also, books, waxes, and other supplies for patina application.	Free Write in No. 2586												✔			N/A
Bubba's Anvil Works 423-334-3233; Fax: 423-334-4620 P.O. Box 392 Decatur, TN 37322	Custom metalwork in iron, chrome, stainless steel, brass, copper, bronze, and old, distressed iron. Hand-forged metal art, fabricating, antique restorations, and custom pieces, all created to spec. Custom design services, finishes.	Free Write in No. 3024	✔	✔		✔	✔					✔	✔		Vent hoods, arbors, door panels, fireplace accessories	Wrought iron/steel, bronze, brass, copper, iron, chrome	95%
C&J Metal Products 800-500-8660; Fax: 562-634-8823 www.cjmetals.com Long Beach, CA 90805	Fabricator of custom architectural sheetmetal products, specializing in roof dormer vents; also, finials, spires, dormers, canopies, leaderheads, and chimney tops. Restoration and duplication of sheetmetal elements.	Free Write in No. 596													Roofing specialties	Copper, bronze, stainless steel	95%
Chaenomeles, Inc. 214-249-6785; Fax: 214-826-1693 P.O. Box 7011 Dallas, TX 75209	Decorative cast-bronze flagstaff holders; patented flag-display system. Large hand-crafted copper mailboxes for wall or post mounting. Custom mailbox stands and torch-cut custom house numbers.	Free Write in No. 1360 for Mailboxes, No. 1361 for Flagstaff Holders													Mailboxes, flagstaff holders	Bronze, copper	20%
Chelsea Decorative Metal Co. 713-721-9200; Fax: 713-776-8661 www.thetinman.com Houston, TX 77074	Pressed-tin panels for ceilings and walls. Easy-to-install decorative sheets in 2-x-4-ft. sections. Styles from Victorian to Art Deco. Designs come in 3-, 6-, 12-, or 24-in. repeat patterns. Shipped anywhere.	Free Write in No. 190									✔				Ceiling panels, cornices	Tin	5%
Christopher Thomson Ironworks 505-421-2645; Fax: 505-421-2618 www.christhomsoniron.com Ribera, NM 87560	Full line of portable lamps in all sizes. Also, wall sconces; custom designs available.	Write in No. 237	✔	✔		✔	✔						✔		Chandeliers	Wrought mild steel & bronze	50%
CHS & Associates 610-252-0230; Fax: 610-252-2909 200 Canal Street Easton, PA 18042	Full sheetmetal service; custom fabrication of copper, brass, and stainless-steel ornamentation; lighting, cupolas, domes, weathervanes, ecclesiastical ornamentation; slate and clay roofing systems; reproduction work; consulting.	Free													Finials, leaders, steeple crosses, weathervanes	Copper	100%
Ciccone, F.E. & Co. 888-567-5900; Fax: 617-569-1392 www.door-restoration.com East Boston, MA 02128	Restoration and entrance diagnostic surveys for ornamental monumental doors.	Free Write in No. 525													Metal-door restoration		90%
Cirecast, Inc. 415-822-3030; Fax: 415-822-3004 www.cirecast.com San Francisco, CA 94124	High-quality lost-wax, investment-cast reproduction door and window hardware and lighting fixtures. Catalog items are from 1870-1885 pattern designs. Extensive experience in custom commercial projects.	Free Write in No. 2280				✔	✔										70%
City Iron 513-721-5678; Fax: 513-721-4282 1410 W. 8th St. Cincinnati, OH 45203	Source of hand-forged decorative railing and furnishings.	Free Write in No. 2645	✔	✔		✔	✔	✔	✔			✔	✔			Wrought iron, steel	100%
Coe Studios, Inc. 510-527-2950; Fax: 510-527-0103 1214 Fourth St. Berkeley, CA 94710	This metalsmith/mountaineer/naturalist does forging, hammering, repousse, and lost-wax castings in solid bronze and iron, with inspiration for his designs drawn from nature. Any style or period available.	Free Write in No. 830	✔	✔	✔	✔		✔					✔			Bronze, iron	100%
Conant Custom Brass, Inc. 800-832-4482; Fax: 802-864-5914 www.conantcustombrass.com Burlington, VT 05401	Custom manufacturing, production, design, restoration, and repair of lighting in all metals to builders'/architects' specs. Also, pendants, chandeliers, and sconces in many finishes and styles; custom weathervanes and finials.	Free Write in No. 5050				✔									Decorative metalwork	Brass	50%
Conservation Solutions 301-669-8550; Fax: 301-669-8552 www.conservationsolution.com District Heights, MD 20747	Conservation studio dedicated to the preservation of historic structures, monuments, sculpture, and fountains; metal, stone, and terra-cotta conservation treatments, technical studies, project management, and specification writing.	Free Write in No. 3139	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔		✔	Metal, stone, & terra-cotta conservation	Conservation services	N/A
Copper House 800-281-9798; Fax: 603-736-4921 www.thecopperhouse.com Epsom, NH 03234	Hand-crafted copper & brass lighting, standard & custom, interior & exterior: wall, post, sconces, chandeliers, onion & round globe. Also, copper weathervanes; custom finials. Products use only solid copper & brass, no plated metal.	$4, deductible from order Call for more information				✔									Finials, weathervanes	Brass, copper	5%
CopperCraft, Inc. 800-486-2723; Fax: 817-490-9661 www.coppercraft.com Keller, TX 76248	Firm's traditional metalworking skills and modern technology provide high-quality architectural sheetmetal: spires, finials, weathervanes, dormers, cupolas, conductor heads, cornices, cladding, chimney caps, canopies, and more.	Free Write in No. 1490													Roofing specialties	Copper	50%
Copperworks of Don Miller 877-633-9308; Fax: 909-445-0828 members.aol.com/gutterarts Orange, CA 92869	Artist Don Miller's bronze & copper raingutter brackets & accessories match period styles, but exceed historic standards of strength. Catalog has a national sourcelist of half-round raingutter suppliers; green patina formula for large exterior surfaces.	Free Write in No. 2000						✔		✔	✔			✔	Ornamental raingutter hardware	Bronze, copper	100%
Craftsmen Hardware Co. 660-376-2481; Fax: 660-376-4076 www.craftsmenhardware.com Marceline, MO 64658	Arts & Crafts-style hand-hammered copper, brass, and bronze sash lifts; custom hardware, including drapery hardware; Craftsmen air grilles in 12 standard sizes, up to nominal duct size of 20x20 in.	Free Write in No. 6980					✔					✔				Copper, brass, bronze	50%

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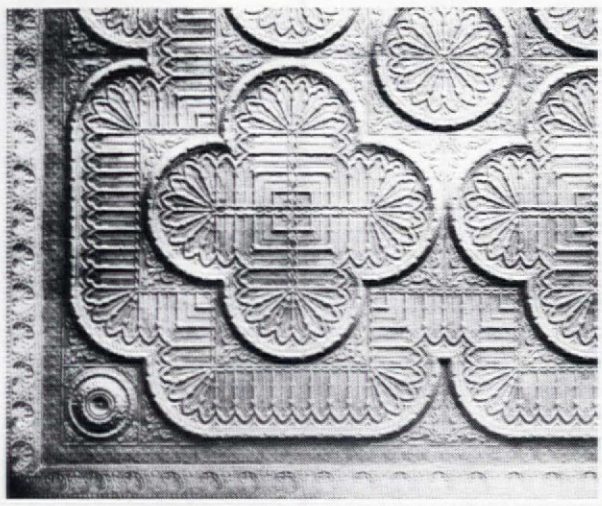

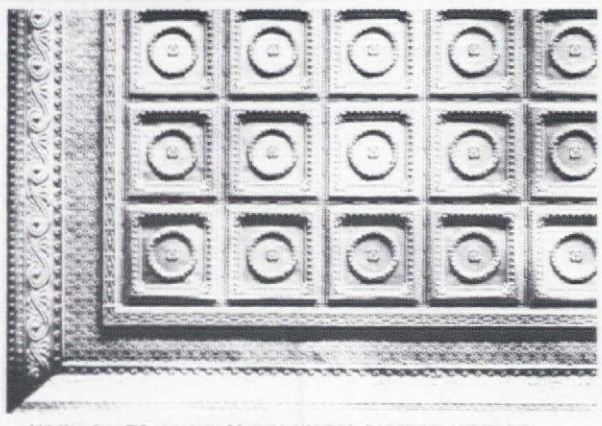

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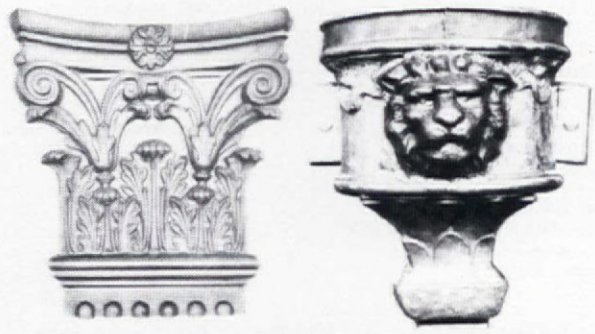

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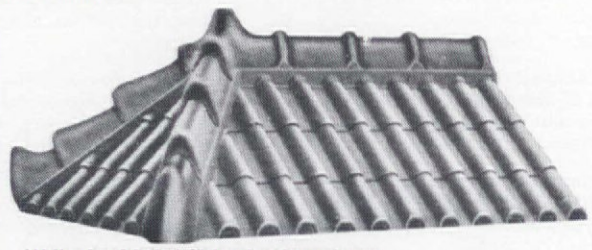

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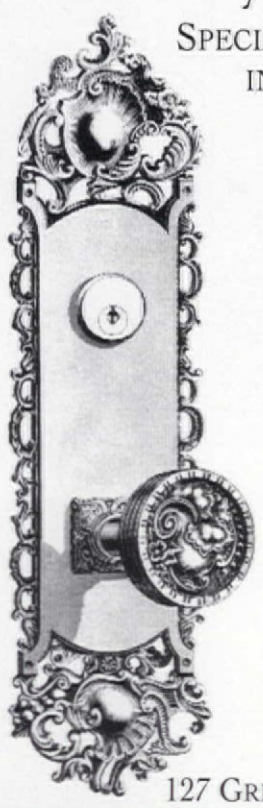

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COMPANY	SPECIALTY	Literature	Gates	Railings	Stairs	Lighting	Hardware	Sculpture	Signage/Plaques	Cast Ornament	Stamped Metal	Registers & Grilles	Furniture	Patinating	Other	Materials	% Custom
Crescent City Iron Supply, Inc. 800-535-9842; Fax: 708-345-6664 www.crescentcityironsupply.com Westchester, IL 60154	Supplies the ornamental-iron industry with a complete line of castings, gate hardware, locks, steel forgings, stampings, furniture & lamposts.	Free Write in No. 1222	✔	✔	✔		✔			✔	✔		✔		Lamp posts	Iron	5%
Crosswinds Gallery 401-253-0344; Fax: 401-253-2830 www.netvanes.com Bristol, RI 02809	Over 3,000 hard-to-find weathervanes in a variety of materials & prices; custom design & crafting; historical replicas; gold leafing, patination. Also, finials, cupolas, turret caps. Extensive catalog.	Free Write in No. 107												✔	Roofing specialties	Aluminum, copper, brass, bronze, iron/steel	50%
Crown City Hardware Co. 626-794-1188; Fax: 626-794-2064 1047 N. Allen Ave. Pasadena, CA 91104	Wide selection of hardware, including glass knobs, bin pulls, door and window hardware; styles include Victorian and Arts & Crafts.	Free Write in No. 432					✔									Brass, iron	20%
Custom Grilles, Inc. 847-564-2266; Fax: 847-564-2277 www.customgrilles.com Northbrook, IL 60062	Source of custom-crafted linear bar grilles manufactured from extruded aluminum components. Available with a variety of anodized and painted finishes.	Free										✔				Aluminum	100%
Custom Home Accessories 800-265-0041; Fax: 916-961-9707 www.custom-mailboxes.com Fair Oaks, CA 95628	Source for mailboxes (home and commercial); weathervanes of copper, brass, or cast aluminum in standard and custom styles. Also custom roof caps, spires, and finials; pre-fabricated copper- and aluminum-roofed cupolas.	Free Write in No. 527							✔							Aluminum, bronze, brass, copper	5%
Custom Lights & Iron, Inc. 619-474-8593; Fax: 619-474-8596 www.customlightsandiron.com National City, CA 91950	All custom work, residential and commercial: forged, casting, aluminum, bronze, stainless, steel, copper. Lighting and ornamental products.	Free	✔	✔	✔	✔		✔	✔	✔			✔			Wrought iron/steel, aluminum, bronze, brass, copper, cast iron	100%
DecorativeIron.com 888-380-9278; Fax: 713-991-6493 www.decorativeiron.com Houston, TX 77075	Source of decorative iron components, finishing details for metalwork; components to fabricate, repair, and decorate metalwork.	Free Write in No. 3056		✔			✔		✔	✔	✔		✔		Balusters, scrolls, and components for metalwork	Iron	10%
Diamond Manufacturing, Inc. 800-343-1009; Fax: 816-421-4735 www.diamondmfg.com Kansas City, MO 64116	Interior/exterior molded ornament; custom and standard parts available. Custom-cast pieces with brass, bronze, copper, or nickel silver metal coating available.	Free Write in No. 583												✔			80%
Elliot Gantz & Co. Inc. 631-249-0680; Fax: 631-249-0697 115 Schmitt Boulevard Farmingdale, NY 11735	Foundry produces sculpture and architectural elements using lost-wax casting. Custom-designing capabilites, model-making, enlargements and reductions, unique patina, and installation.	Free Write in No. 126	✔	✔	✔	✔	✔	✔	✔	✔		✔	✔	✔			100%
FAAC International, Inc. 800-221-8278; Fax: 307-632-8148 www.faacusa.com Cheyenne, WY 82007	Specialized manufacturer of hydraulic gate operators for swing, slide, and barrier gate systems. With automatic gate operators, homeowners can enter and exit gates without having to leave their cars.	Free Write in No. 531													Automatic gate operators		0%
Fine Architectural Metalsmiths 845-651-7550; Fax: 845-651-7857 www.iceforge.com Chester, NY 10918	Forged & finely crafted gates, grilles, fence & railings in classical to contemporary styles from award-winning studio. Full service from concept thru installation; electronic operator specialists. Gold leaf & other patinations for interior & exterior.	Free Write in No. 2640	✔	✔	✔	✔						✔	✔	✔		Wrought iron/steel	100%
Fleming Iron Works 256-232-6217; Fax: 256-232-6641 722 Commercial Dr. Athens, AL 35611	Metal sculptor produces hand-forged ironwork: gates, railings, fences; restoration and reproduction work.	Free	✔	✔		✔		✔					✔			Wrought iron/steel, aluminum, brass, cast iron	95%
Florentine Craftsmen 800-876-3567; Fax: 718-937-9858 www.florentinecraftsmen.com Long Island City, NY 11101	Garden ornaments, fountains (freestanding and wall-mounted), statuary, urns, planters, furniture, and accessories in lead, aluminum, iron, stone, and bronze. Also, weathervanes. Custom work a specialty.	Free Call for more information						✔		✔			✔		Fountains, urns, planters	Aluminum, bronze, iron, lead	50%
G.J. Nikolas & Co., Inc. 708-544-0320; Fax: 708-544-9722 2800 Washington Blvd. Bellwood, IL 60104	Manufacturer of clear protective coatings for architectural and decorative metals such as brass, bronze, and copper. Manufactures transparent and opaque colors, glazes, toners, and metallic finishes.	Free Write in No. 2691												✔	Coatings		N/A
Gaby's Shoppe 800-299-4229; Fax: 214-748-6644 www.gabys.com Dallas, TX 75207	Hand-crafted wrought-iron furniture, tables, chairs, chandeliers, floor and table lamps, drapery hardware, and balcony railing.	Free Write in No. 2520				✔	✔						✔			Wrought iron/steel	30%
Gerber Hinge Co. 800-643-7237; Fax: 323-655-8533 www.gerber-hinge.com Los Angeles, CA 90036	Carries a wide selection of cabinet and door hardware. Lift-off hinges allow for easy installation. All hardware is available in different finishes.	Free Write in No. 2540					✔									Brass, iron	5%
Golden Lion, Inc. 310-398-2848; Fax: 310-398-0605 www.goldenlion.org Los Angeles, CA 90066	Imports lines of quality European hardware in traditional styles, from handmade wrought iron to the finest hand-crafted brass-hardware line from maison Bricard.	Free Write in No. 115					✔		✔			✔		✔		Bronze, brass, cast iron	20%
Great Lakes Art Studio 312-226-6166; Fax: 312-275-0017 www.greatlakesartstudio.com Chicago, IL 60612	Landscape, architectural, and interior metalwork in contemporary and historical motifs; custom railings, gates, sculpture, and furniture in bronze, steel, aluminum, iron, and all architectural metals. Casting, patination, and more.	Free Call for more information	✔	✔	✔	✔	✔	✔	✔	✔			✔	✔		Wrought iron/steel, aluminum, bronze, brass, copper, cast iron	100%
Handelman Studios 805-962-5119; Fax: 805-966-9529 www.stevenhandelmanstudios.com Santa Barbara, CA 93103	Traditional hand-crafted iron and brass lighting: outdoor lanterns, chandeliers, wall sconces, table and floor lamps, flush mounts. Custom designs, sizing, hand-applied finishes. Also, firescreens, entry gates, furniture, hardware.	Free Write in No. 483	✔			✔	✔						✔		Firescreens	Iron, brass	40%
Healy Brothers Foundry 800-626-3229; Fax: 401-765-7612 P.O. Box 4 Manville, RI 02838	Custom bronze plaques, signs, tablets; relief portraits, busts; line of National Register plaques; custom architectural components & details: hardware, grilles, ornament; modeling & patternmaking; patina to high-polish finishes.	Free Write in No. 5530					✔	✔	✔	✔		✔		✔		Bronze	50%
Heather & Little, Ltd. 800-450-0659; Fax: 416-465-2962 www.heatherandlittle.com Toronto, ON, CANADA M4L 2R8	Custom fabricator and supplier of decorative, ornate sheetmetal components; pressed and stamped metals. Replication of architectural metalwork for historical restorations throughout North America.	Free Write in No. 2470							✔	✔	✔					Aluminum, bronze, brass, copper, zinc, sheet lead	100%
Herndon & Merry 615-350-7007; Fax: 615-350-6471 7121 Cockrill Bend Blvd. Nashville, TN 37209	Specialist in custom hand-forged gates, railings, stairways, and miscellaneous garden structures; residential and commercial; design consultants available.	Free	✔	✔	✔											Wrought iron/steel, aluminum, bronze, brass, copper, cast iron	95%

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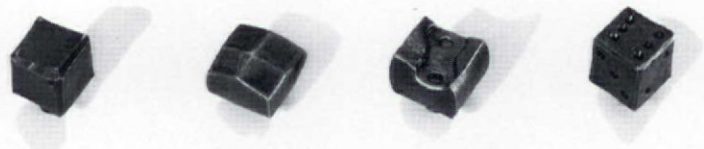

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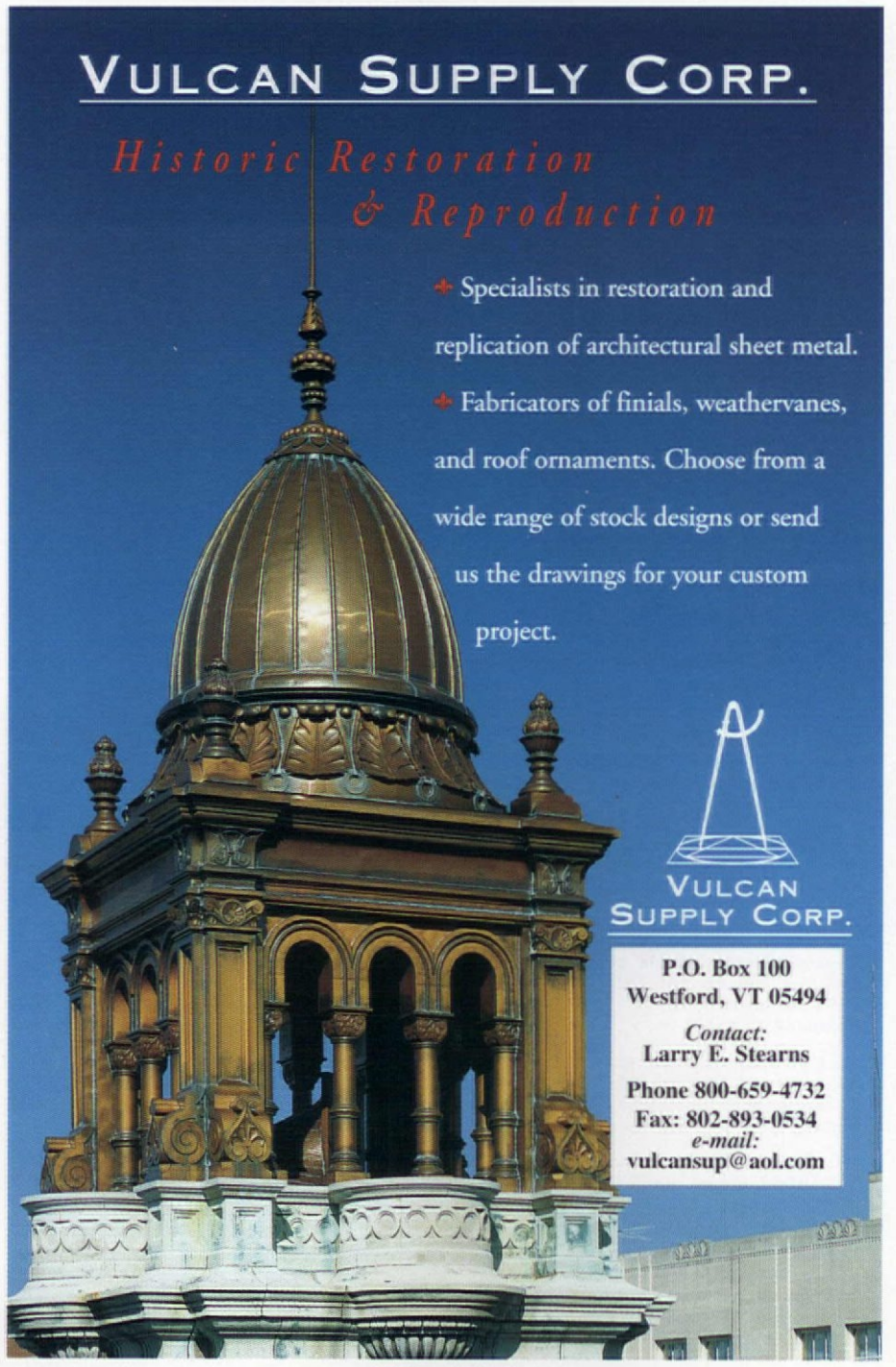

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COMPANY	SPECIALTY	Literature	Gates	Railings	Stairs	Lighting	Hardware	Sculpture	Signage/Plaques	Cast Ornament	Stamped Metal	Registers & Grilles	Furniture	Patinating	Other	Materials	% Custom
Herwig Lighting 800-643-9523; Fax: 501-968-6422 www.herwig.com Russellville, AR 72811	High-quality, hand-crafted original designs since 1908. Cast-aluminum or -bronze, exterior residential, commercial, municipal lighting: wall brackets, pendants, pier- or post-lanterns. Street clocks, posts from 19 in. to 14 ft.	Free Write in No. 9130				✔				✔			✔			Aluminum	50%
Historical Arts & Casting, Inc. 800-225-1414; Fax: 801-280-2493 www.historicalarts.com West Jordan, UT 84088	Designer and manufacturer of lighting, columns and capitals, cornices, railings, fences, newels, planters, finials, street furnishings, and fountains cast in bronze, aluminum, or iron. Restoration and custom work.	Free Write in No. 1210	✔	✔	✔	✔	✔	✔	✔	✔		✔	✔		Fountains, clocks, mailboxes	Aluminum, brass, bronze, cast iron	100%
Indital, USA 800-772-4706; Fax: 713-694-2055 www.indital.com Houston, TX 77018	Over 8,500 Italian-designed architectural steel forgings: signature rosettes, intricately designed baroque leaves, spears, and a full array of pickets that can be fabricated to create staircases, partitions, fences, etc.	Free Write in No. 6560													Spears, leaves, pickets	Wrought iron/steel	15%
Iron Knob Corp. 818-719-6591; Fax: 818-716-1725 7851 Alabama Ave., #10 Canoga Park, CA 91304	Specialist in reproduction of antique iron work.	Free	✔	✔	✔	✔	✔	✔	✔				✔	✔	Playground equipment, bike racks	Wrought iron/steel, brass	100%
Isaac Maxwell Metal 210-227-4752; Fax: 210-223-6071 P.O. Box 830545 San Antonio, TX 78283	Custom-designed punched-metal architectural accessories for residences, public buildings, and commercial projects, and selections made from existing designs. All pieces made by hand, working in copper, brass, and plated copper sheet.	Free Write in No. 2677				✔			✔						Doors, panels, screens, planters, mirror frames	Brass, copper, tin/lead flood applique with tin plate	90%
James Peters & Son, Inc. 215-739-9500; Fax: 215-739-9779 1936 N. Front St. Philadelphia, PA 19122	Period-style hardware for shutters, doors, and gates in wrought steel with a black finish.	Free Write in No. 1240					✔									Wrought iron/steel	20%
Jefferson Mack Metal, Inc. 415-550-9328; Fax: 415-285-3365 www.mackmetal.com San Francisco, CA 94124	Hot-forged, hand-finished architectural metalwork: railings, grilles, gates, fences, sculpture, door hardware. Also, custom iron furniture, garden torches, chandeliers, more.	Free Write in No. 1079	✔	✔		✔	✔	✔				✔	✔		Fireplace accessories, weathervanes	Wrought iron/steel	90%
Kayne & Son Custom Hardware 828-667-8868; Fax: 828-665-8303 www.brwm.org/ kayneandsoncustomhardwareinc Candler, NC 28715	Custom hand-forged steel, cast-brass/bronze functional and dummy strap hinges, H and HL hinges, bolts, latches, pulls, locks, drapery rods and hooks, sash locks. Custom restoration, reproductions; various finishes.	Free Call for more information				✔	✔			✔		✔				Wrought iron/steel, bronze, brass, copper	80%
King Architectural Metals 800-542-2379; Fax: 800-948-5558 www.kingmetals.com Dallas, TX 75228	Wholesale supplier of ornamental & architectural metal components for wrought-iron staircases, handrails, gates, fences, balustrades, furniture, mailboxes, doors, screens, awnings, fireplace screens. Also, aluminum lamp posts; urns.	Free Write in No. 418								✔					Lamp posts, urns	Aluminum, bronze, iron	0%
Knobbs Hardware 01437-532587; Fax: 01437-532711 www.door-knobs.co.uk Clynderwen Pembs Wales, UK SA66 7LH	Manufacturer of traditional hardwood doorknobs and escutcheons. Also, a Bespoke service matching existing knobs; new Granite Effect doorknobs in 10 colors; cupboard knobs.	Free Write in No. 2523					✔										5%
Kolson, Inc. 516-487-1224; Fax: 516-487-1231 www.kolson.com Great Neck, NY 11023	Distributor of the top manufacturers of interior and door hardware. All styles and the most popular finishes are available.	Free Write in No. 3760					✔										10%
Lacy Foundries, LLC 410-235-8580; Fax: 410-235-8586 P.O. Box 50037 Baltimore, MD 21211	Specializes in cast-metal ornaments; also, sculptures and plaques.	Free						✔	✔	✔							90%
Lake Shore Industries 800-458-0463; Fax: 814-453-4293 www.lsisigns.com Erie, PA 16512	Manufactures custom cast-aluminum signs and plaques. Specialist in street signs, town seals, historical markers, and custom work.	Free Write in No. 8730							✔							Aluminum	100%
Leo Custom Hardware 612-861-1473; Fax: 612-861-1473 7532 Columbus Ave. So. Richfield, MN 55423	Custom castings (investment and sand cast) for grilles, screens, door hardware, finials, knockers, and other hardware and interior metalwork. Has existing tools, moulds, and designs on hand, or will custom-produce; consultation.	Free Write in No. 1253		✔	✔	✔	✔	✔	✔	✔		✔				Bronze, steel, other	90%
Leonard Metal Art Works 800-522-4766; Fax: 888-699-9666 619 Pennbrook Ave. Lansdale, PA 19446	Custom-designed grand security gates made by European craftspersons; Classic, Baroque, French Provincial, Modern; forged wrought iron, bronze, stainless steel. Also, custom-made grand stairs & railings in any size, style, materials.	Free Write in No. 7610	✔	✔	✔											Wrought iron/steel, bronze, stainless steel	20%
LepoWorks, Inc. 419-339-5370; No Fax www.lepoworks.com Lima, OH 45807	Designs private, public, and institutional artwork; interior and exterior works in a multitude of materials, including metal and wood; wood-carving services.	Free Write in No. 1034						✔									100%
Liberty Ornamental Products 800-636-5470; Fax: 419-636-2365 872 E. Trevitt St. Bryan, OH 43506	Wide range of ball tops, caps, spears, shoes, etc., for fabricating fences, gates, and other ornamental metal assemblies. Parts in sizes from 1/4 to 3 in., in #3 zinc with a non-rusting pewter finish.	Free Write in No. 5340								✔						Zinc	0%
Lynch & Sons, Inc. 203-762-8363; Fax: 203-762-2999 www.klynchandsons.com Wilton, CT 06897	Top-of-the-line fabricators with an extensive catalog of fountain designs, garden ornament, site furniture (including full park-bench manufacturing capabilities), weathervanes, finials, and gazebos. Custom capabilities.	Free Call for more information													Garden ornament, site furniture, weathervanes		10%
Maguire Iron Corporation 510-234-7569; Fax: 510-232-7519 215 22nd Street Richmond, CA 94801	Door, window, and other builders' hardware: push plates, kick plates, hooks, etc., in wrought iron, pewter, brass, bronze, and much more. Patterns from 17th century to Art Deco; custom work.	Free Write in No. 7600					✔									Wrought iron/steel, brass, bronze, pewter	20%
Mark Hopkins Sculpture, Inc. 800-678-6564; Fax: 706-235-2814 21 Shorter Industrial Blvd. Rome, GA 30165	Cast exclusively in bronze, sculpture by Mark Hopkins ranges from miniatures to monuments. Subject matter includes Native Americans, wildlife, sports, historical figures, and children.	Free Write in No. 2658						✔								Bronze	50%
Martell's Metal Works Corp. 508-761-9130; Fax: 508-761-9170 www.martellmetal.com Seekonk, MA 02771	Hand-forged brass, bronze, copper, steel, and iron: furniture and architectural metalwork.	Free Write in No. 2659											✔		Architectural metalwork	Wrought iron/steel, brass, bronze, copper	95%
Max-Cast 319-656-5365; Fax: 319-656-3187 www.kctc.net/max-cast Kalona, IA 52247	Full-service sculpture foundry provides modeling, enlarging, rubber molding and pattern-making, lost-wax and sand-molding in cast iron, bronze, and aluminum.	Free Write in No. 2704					✔	✔		✔			✔	✔		Aluminum, bronze, cast iron	100%

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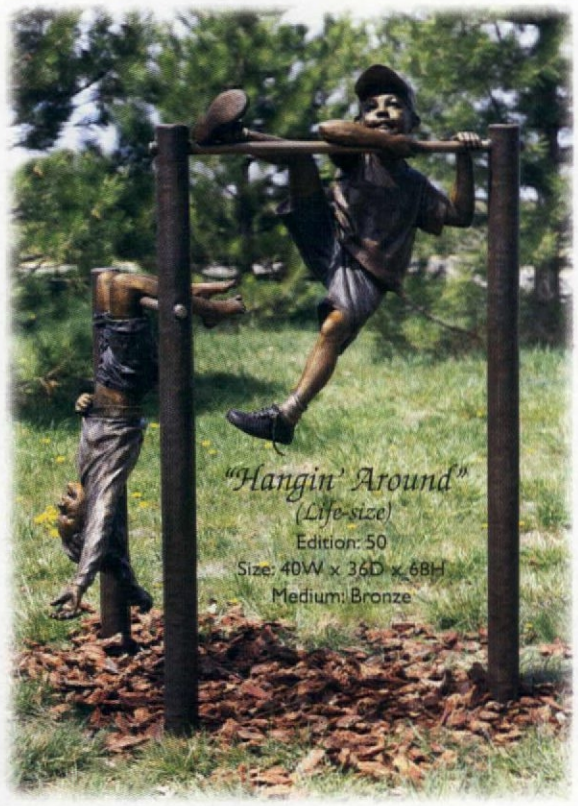
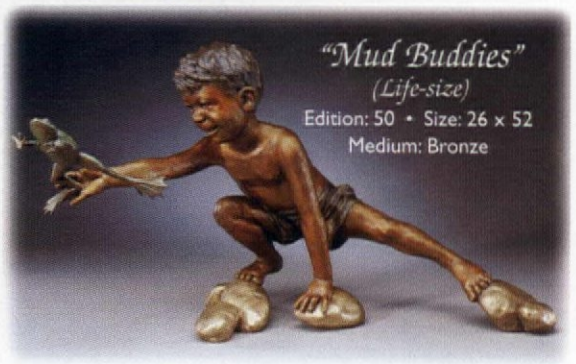


"Spawning Grounds"
Maquette for Monument
Medium: Bronze



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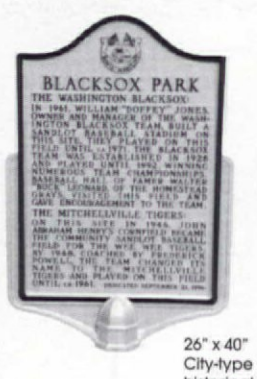
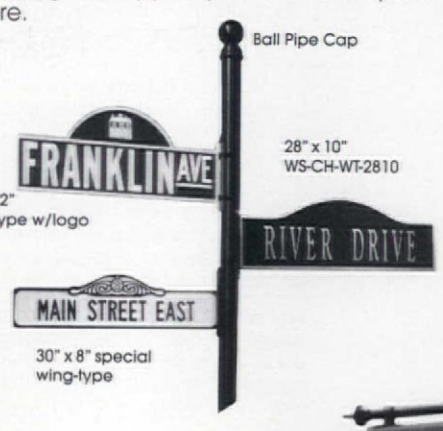


26" x 40" City-type historical marker



Ball Pipe Cap
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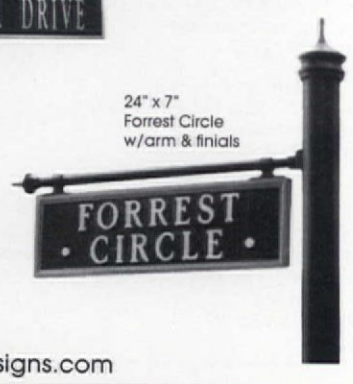
23" X 6" Madison 4-way



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WRITE IN NO. 8730

TRADITIONAL BUILDING'S ORNAMENTAL METALWORK *SourceList*

CSI# 05700

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COMPANY	SPECIALTY	Literature	Gates	Railings	Stairs	Lighting	Hardware	Sculpture	Signage/Plaques	Cast Ornament	Stamped Metal	Registers & Grilles	Furniture	Patinating	Other	Materials	% Custom
McLean Woods 505-983-2644; Fax: 505-820-2941 551 W. Cordova Rd., #184 Santa Fe, NM 87501	Hand-crafted architectural specialties, featuring custom doors in Honduran mahogany with custom hand-forged hardware.	Free Write in No. 3177					✔										90%
Mel Northey Co. 800-828-0302; Fax: 281-445-7456 www.melnorthey.com Houston, TX 77037	Large source for heavy-duty, rust-free, cast-aluminum curbside mailboxes. Also, exterior lighting and posts.	Free Write in No. 53				✔									Mailboxes	Aluminum	5%
Metal Works Design Studios 901-327-4000; Fax: Same as phone 2537 Broad Ave. Memphis, TN 38112	Manufactures and designs forged-metal furniture and architectural appointments for the interior-design and building communities.	Free	✔	✔	✔	✔	✔	✔					✔			Wrought iron/steel, aluminum, bronze, brass, copper, stainless steel	100%
Metallic Coatings & Patina Finishes, Inc. 800-882-7004; Fax: 619-683-7901 www.patinasfinishes.com San Diego, CA 92110	Supplier of water-based metallic coatings (copper, brass, bronze, pewter) for all surfaces, and patina solutions (green, blue, black, burgundy), interior or exterior.	Free Write in No. 3150												✔			20%
Michigan Ornamental Metals 908-852-9773; Fax: 908-362-9773 P.O. Box 764 Hackettstown, NJ 07840	Fabricator of stamped/pressed sheetmetal conductor heads, rosettes, wreaths, cornices, and ceilings; reproductions from samples or drawings.	Free Write in No. 9520									✔				Conductor heads, rosettes, wreaths, cornices, ceilings	Aluminum, bronze, iron, zinc	100%
Mison Concepts, Inc. 516-933-8000; Fax: 516-933-8002 485-33 South Broadway Hicksville, NY 11801	Custom architectural metal fabricator, traditional and contemporary; stairs, railings, furniture, facades, showrooms, marquees. Design, detailing, and specialty finishes.	Free Write in No. 2740	✔	✔	✔	✔		✔				✔	✔	✔	Facades, marqueess, showrooms	Aluminum, bronze, nickel silver, stainless steel, steel, zinc	100%
Mission Iron Shop 760-744-3740; Fax: 760-744-0570 255 Bent Ave., B-9 San Marcos, CA 92069	"Old World" artistic blacksmithing: drive gates a specialty. Unique gates can be shipped anywhere and are easily installed.	Free	✔	✔			✔		✔			✔		✔		Wrought iron/steel, aluminum, bronze, brass	100%
Mitchell, D.C. 302-998-1181; Fax: 302-994-0178 8E Hadco Rd. Wilmington, DE 19804	Authentic reproduction period door and shutter hardware, including box locks, strap hinges, shutter tie backs, etc.	Free Write in No. 2800					✔										10%
Modern Art Foundry 718-728-2030; Fax: 718-267-0819 www.modernartfoundry.com Astoria, NY 11105	Art foundry with over 65 years' experience producing lost-wax and sand castings; non-ferrous metals. Specialist in sculpture services, conservation and maintenance, enlargements, and commemorative design services.	Free	✔					✔		✔				✔		Aluminum, bronze	100%
Monarch Products Co. 201-507-5551; Fax: 201-438-2820 www.monarchrad.com Carlstadt, NJ 07072	Over 20 styles of all-steel radiator enclosures; stock and custom; many color options, including wood grain. Corporate boardrooms a specialty, as well as offices, churches, institutions, and homes. Baked-enamel finish; grille front.	Free Write in No. 6060													Radiator enclosures	Steel	80%
Monumental Iron Works 800-229-5615; Fax: 410-633-6506 www.mhfence.com Baltimore, MD 21224	100-year-old fence manufacturer uses traditional techniques and patterns; stocks components and assembles to order. Carries pickets as well as ornamental panels and gates. Modular designs.	Free Write in No. 6910	✔												Fencing	Steel	10%
Morgik Metal Designs 212-463-0304; Fax: 212-463-0329 20 West 22nd St. New York, NY 10010	Specialist in custom wrought-iron furniture, accessories, and drapery rods and hardware.	Free Write in No. 2689	✔	✔	✔	✔	✔	✔	✔	✔		✔	✔	✔	Window guards, fences	Wrought iron/steel, aluminum, bronze, brass, cast iron	100%
Morrow Company 800-556-7688; Fax: 401-941-3810 www.frankmorrow.com Providence, RI 02905	Manufacturer of decorative metal leaves, flowers, motif stampings, husks, bobeches, continuous metal banding, and perforated gallery. Many items available in heavy 16 gauge. Also, line of grey-iron castings.	Free Write in No. 1220								✔	✔					Wrought iron/steel, brass, copper	10%
Mueller Ornamental Iron Works, Inc. 847-758-9941; Fax: 847-758-9945 www.ornamentaliron.net Elk Grove Village, IL 60007	Custom, hand-forged, highly decorative ornamental metalwork in iron, bronze, aluminum, and stainless steel; interior and exterior applications.	Free Write in No. 229	✔	✔	✔				✔			✔	✔		Fireplace accessories, fencing	Wrought iron/steel, aluminum, bronze, stainless steel	90%
Nanz Custom Hardware, Inc. 212-367-7000; Fax: 212-367-7375 www.nanz.com New York, NY 10013	Custom manufacturer of high-end period door hardware, Gothic to Moderne. Expert metal finishing; consultation, specification, and restoration services.	Free Write in No. 1150					✔										50%
Naos Forge, Inc. 661-273-5851; Fax: 661-273-5852 www.naosforge.com Palmdale, CA 93550	Studio produces custom hand-forged furniture, lighting, and accessories.	Free Write in No. 2913	✔	✔		✔	✔						✔		Fireplace accessories	Wrought iron/steel, brass, bronze	90%
Neenah Foundry Co. 920-725-7000; Fax: 920-729-3661 2121 Brooks Ave. Neenah, WI 54957	Manufacturer of decorative cast-iron tree grates and tree guards. Catalog depicts 89 styles of tree grates, which can be custom-sized and personalized with corporate logos.	Free Write in No. 1345													Tree grates & guards	Cast iron	10%
New Concept Louvers 800-635-6448; Fax: 801-489-0606 www.newconceptlouvers.com Springville, UT 84663	Maker of PVC-coated, aluminum or vinyl cupolas, stock or customized. Also, finials, spires, and weathervanes in a variety of shapes and sizes.	Free Write in No. 1264													Finials, spires, weathervanes	Copper, aluminum, brass	35%
New England Craft Center 203-792-3149; Fax: 203-748-8182 4 Mill Plain Road Danbury, CT 06811	Over 50 years of traditional metalwork in the European style. Each job is custom-designed to suit the customer's needs.	Free	✔	✔		✔	✔	✔	✔	✔			✔	✔	Topiary, weathervanes	Wrought iron/steel, aluminum, bronze, brass, copper, cast iron, stainless	100%
New Star Brass & Bronze Works 718-443-0800; Fax: 718-443-0918 www.railingsbynewstar.com Brooklyn, NY 11237	Custom fabricates and installs metal railings for residential and commercial use. Stainless steel, hand-forged steel, aluminum, brass, and bronze. Wood and glass rails available.	Free Write in No. 3051		✔												Stainless steel, hand-forged steel, aluminum, brass, bronze	95%
NIKO Contracting Co. 412-687-1517; Fax: 412-687-7969 www.nikocontracting.com Pittsburgh, PA 15213	Nationwide roofing and sheetmetal contractor has extensive experience in historic-restoration projects: custom architectural sheetmetal work, artificial patination of copper, standing-seam, slate, tile, and other historic roofing.	Free Write in No. 861													Ceilings, roofing, roofing specialties	Copper, lead-coated copper, galvanized steel, terne-coated metals, stainless steel, aluminum, brass	100%
NOMMA, Nat'l. Ornamental & Misc. Metals Assn. 404-363-4009; Fax: 404-366-1852 www.nomma.org Forest Park, GA 30297	Major trade association of over 900 metal craftspeople with goal of improving levels of professional excellence in metalwork. They will provide a list of NOMMA members in your area if you are seeking a qualified fabricator.	Free Write in No. 5170													Consulting		0%

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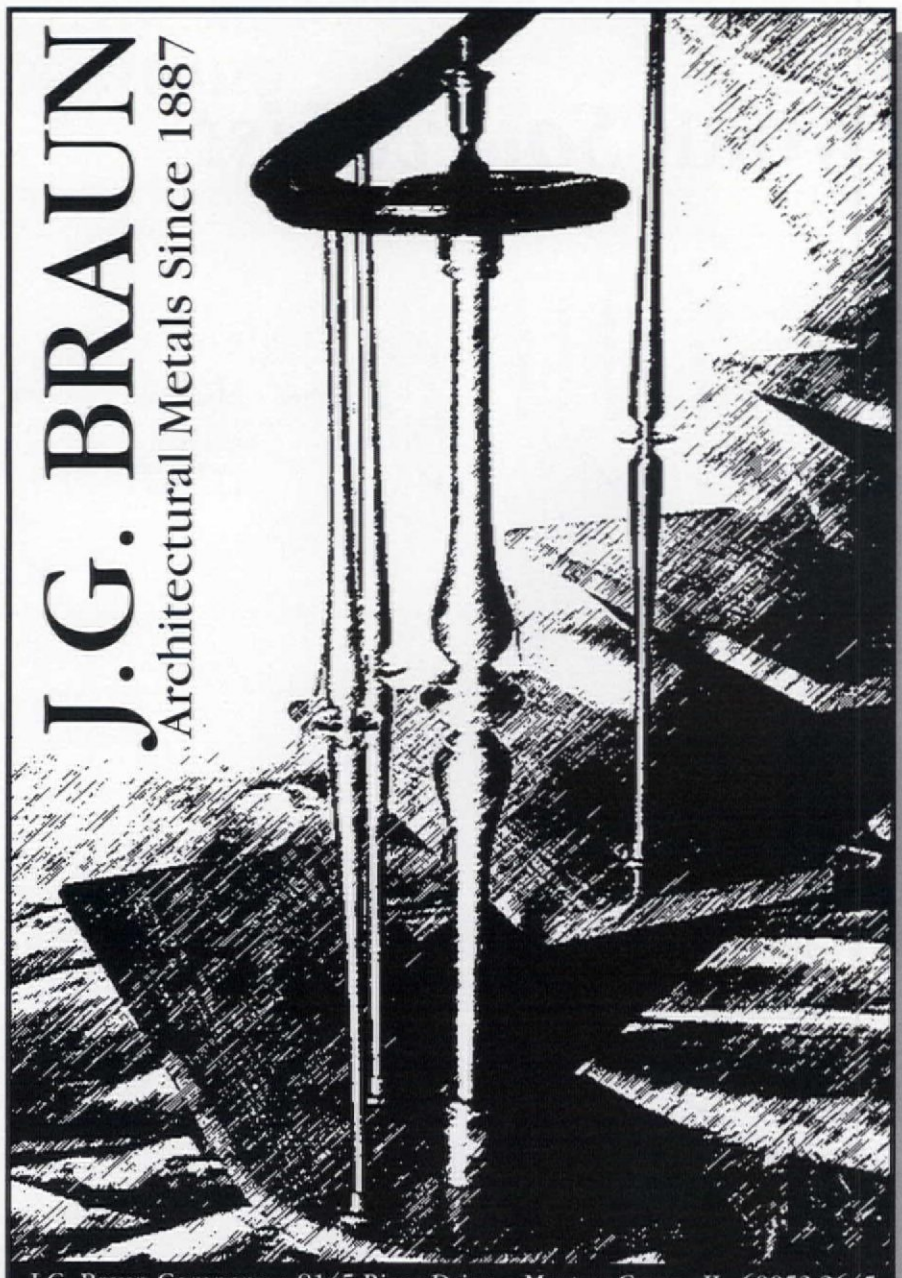

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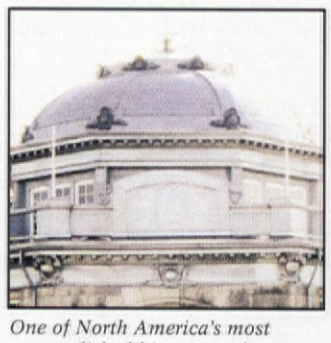

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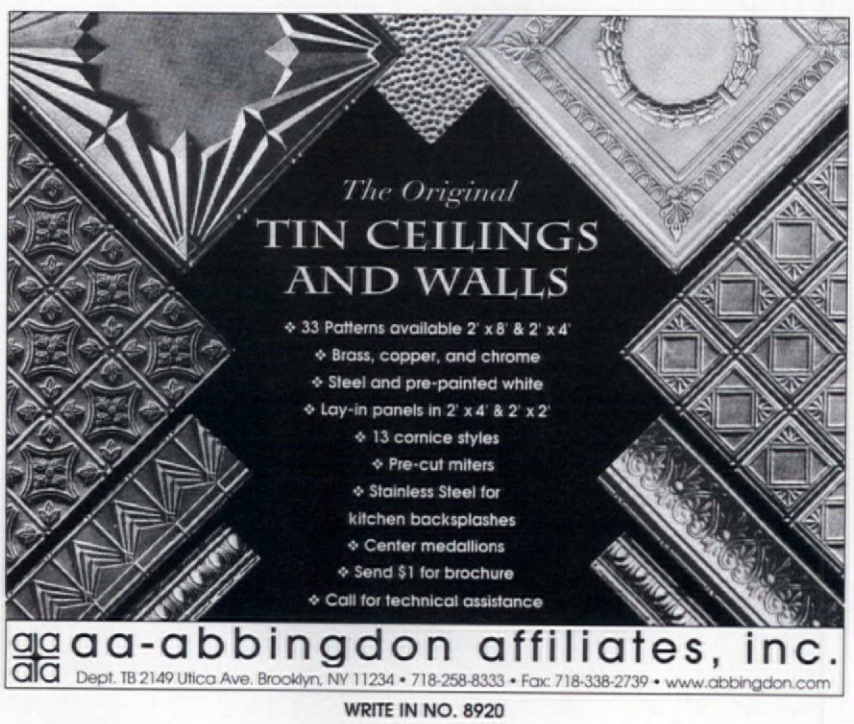

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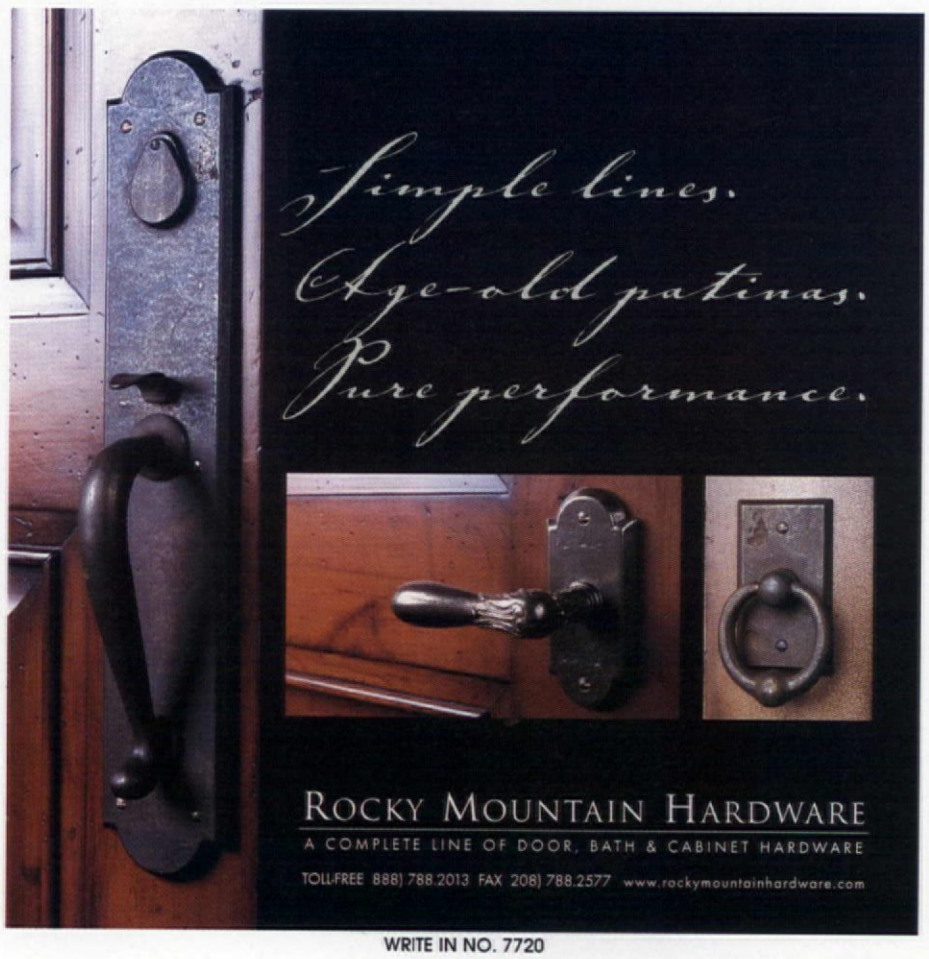

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COMPANY	SPECIALTY	Literature	Gates	Railings	Stairs	Lighting	Hardware	Sculpture	Signage/Plaques	Cast Ornament	Stamped Metal	Registers & Grilles	Furniture	Patinating	Other	Materials	% Custom
Oak Tree Art Works 559-855-2929; No Fax 30248 Watts Valley Road Tollhouse, CA 93667	Unique hot hand-wrought steel, wrought iron, and copper works for house and garden; specialists in one-of-a-kind designs.	Free	✔	✔		✔	✔	✔	✔				✔			Wrought iron/steel, bronze, brass, copper	95%
Old & Elegant Distributing 425-455-4660; Fax: 425-455-0203 10203 Main St. Lane Bellevue, WA 98004	Supplier of traditional and contemporary door hardware. Over 100 styles on display. Offers custom metal finishing and a line of period fireclay sinks. Also buys and sells salvage items. Over 500 styles of cabinet hardware displayed.	Free Write in No. 1570					✔										30%
Old World Iron, Inc. 972-484-9926; Fax: 972-484-9758 www.oldworldiron.com Dallas, TX 75229	Custom hand-forged wrought-iron stair railings, balconies, doors, and gates. Firm will pre-measure, deliver, install, or ship FOB Dallas.	Free Write in No. 332	✔	✔												Wrought iron	99%
Ornamental Metal Institute of N.Y. 212-697-5553; Fax: 212-818-0976 211 E. 43rd St. New York, NY 10017	Consultations, literature, and seminars on the design and use of architectural and ornamental metals to construction professionals; associated services provided free of charge.	Free Write in No. 5430													Consulting, seminars		100%
Ornamental Steel Designs, Inc. 931-552-0365; Fax: 931-645-9656 www.osdsteel.com Clarksville, TN 37040	Museum-quality line of railings, gates, furniture, and accent pieces for interior and exterior use. Custom work a specialty. Furnishes ornamental parts for fabrication.	Free Write in No. 2793	✔	✔									✔		Accent pieces	Steel	100%
Ornametals, LLC 256-350-7410; Fax: 256-309-5921 www.ornametals.com Decatur, AL 35601	Fabricates copper and zinc architectural ornament to fit your specifications. Roof ornaments, spires, finials, weathervanes, radius gutter.	Free													Cupolas, dormers, conductor heads	Copper, zinc	90%
Patten Design 714-894-0131; Fax: 714-894-0031 15561 Product Ln., #D-5 Huntington Beach, CA 92649	Fabrication of custom and reproduction door and window hardware in all metals and finishes; large and small runs, including knobs, levers, pulls, hinges, medallions, lighting, railings, signage, more.	Free Write in No. 1520					✔										75%
Phelps Company/Architectural Specialties 802-257-4314; Fax: 802-258-2270 60 Elm Street Brattleboro, VT 05301	Traditional brass window, screen, and French door hardware, including sash pulleys, sash chain, sash locks and lifts, and casement hardware.	Free Write in No. 6001					✔									Brass	100%
Polymeric Systems 888-376-9934; Fax: 610-935-7123 www.polymericsystems.com Phoenixville, PA 19460	Epoxy products for metal repair: "Faststeel," "Quikcopper," and "Quikaluminum" hand-mixable epoxy-putty sticks for restoring ornamental metalwork: Reshape damaged areas, reform missing parts, patch, seal.	Free													Repair epoxies for metals		N/A
R. Walsh Gate & Railing 715-442-3102; Fax: 715-442-6002 www.robertwalsh.com Pepin, WI 54759	Shop offers hand-forged ornamental ironwork of a classical nature. Options include: original artwork, colors, textures, dipped and baked finishes, detailing in gold leaf or bronze, repousse, and more; 20 years experience.	$5, refundable upon purchase Write in No. 898	✔	✔												Wrought iron	100%
Real Wrought Iron Co., Ltd. +44-1845-501415; Fax: +44-1845-501072 www.realwroughtiron.com Thirsk, N. Yorkshire, UK Y07 2BJ	Supplier of true wrought iron; genuine charcoal and puddled wrought iron, and flat bar available. For use in high-quality architectural work and historic restoration. "Damascus" for use in specialist applications.	Free													Wrought-iron bar & plate		100%
Reggio Register Co. 978-772-3493; Fax: 978-772-5513 www.reggioregister.com Ayer, MA 01432	Manufactures and stocks a complete line of traditionally designed, decorative grilles and registers in cast-iron, -brass, and -aluminum, as well as wood. Choose from over 500 products.	Free Write in No. 5810										✔				Cast iron, cast brass, cast aluminum	1%
Register & Grille Mfg. Co. 718-383-9090; Fax: 718-349-2611 202 Norman Ave. Brooklyn, NY 11222	Decorative or architectural bar grills for commercial and residential use. Wide selection of colors and patterns.	Free Write in No. 2518										✔				Aluminum, brass, steel	80%
Rocky Mountain Hardware 888-788-2013; Fax: 208-788-2577 www.rockymountainhardware.com Hailey, ID 83333	High-quality, handmade, sand-cast, solid-bronze hardware: complete lines of door, window, cabinet, and bath hardware.	Free Write in No. 7720					✔		✔							Bronze	50%
Saari Metal Studio & Workshop 860-928-0257; Fax: Same as phone www.michaelsaari.com Woodstock, CT 06281	Artist/blacksmith makes hardware, sculpture, sculptural furniture, and custom metalwork. Reproduction, restoration, original designs, consulting, and instruction. Traditional forged iron a specialty.	Free Write in No. 3032	✔	✔		✔	✔	✔					✔		Finials, cooking accessories, weathervanes	Wrought iron/ steel, aluminum, bronze, brass, copper	100%
Schiff Architectural Detail 617-887-0202; Fax: 617-887-0127 120 Eastern Avenue Chelsea, MA 02150	Foundry, forge, and fabrication shop offers custom castings and non-ferrous forge work; machine-shop service, rubber molding, and pattern work. Historic restoration and refurbishment. Also, custom large-scale bowl fountains.	Free Write in No. 7730	✔	✔	✔	✔	✔	✔	✔	✔		✔	✔	✔	Century metropolitan ball cap rail	Stainless steel, bronze, steel, cast aluminum, brass, iron	100%
Steptoe & Wife Antiques, Ltd. 800-461-0060; Fax: 416-780-1814 www.steptoewife.com Toronto, ON, CANADA M6B 1V9	Victorian-style cast-iron spiral & straight staircases & railings; commercial/residential, interior/exterior; finials; custom & stock components; gates & railings to order; brass, bronze, aluminum, stainless. Also, drapery hardware.	Free Write in No. 9200 for Drapery Hardware, No. 9201 for Metal Ceilings	✔	✔	✔					✔					Drapery hardware	Aluminum, brass, bronze, cast iron, stainless steel	50%
Stewart Iron Works Co. 606-431-1985; Fax: 606-431-2035 www.stewartironworks.com Covington, KY 41012	Manufacturer of ornamental iron fences, gates, and railings since 1886. Also, steel park benches, cast-iron furniture, custom-fabricated tables, lighting, signage, more.	Free Write in No. 9910	✔	✔		✔			✔				✔		Fencing	Iron, steel	60%
Studio Steel, Inc. 860-868-7305; Fax: 860-868-7306 www.studiosteel.com New Preston, CT 06777	Wrought-iron chandeliers, sconces, and lanterns produced on-site in a variety of reproduction and original designs, using old-world techniques.	Free Write in No. 8260				✔										Wrought iron	30%
Sun Valley Bronze 208-788-3631; Fax: 208-788-1306 www.svbronze.com Hailey, ID 83333	Manufacturer of premium-quality bronze decorative hardware; specialist in door, cabinet, bathroom, and kitchen hardware, made to order.	Free Write in No. 136					✔									Bronze	100%
Sur-Fin Chemical Corp. 323-262-8108; Fax: 323-264-7734 www.sur-fin.com Los Angeles, CA 90023	Wide range of patinas for copper, brass, bronze, galvanized steel, iron, pewter, solder, and aluminum. Also, exterior/interior lacquers for metals. Outside California call toll-free: 800-282-3533.	Free Write in No. 5620												✔			N/A
Talladega Foundry 256-362-0056; Fax: 256-362-6880 www.talladegafoundry.com Talladega, AL 35160	Foundry and fabricator specializing in custom architectural castings and metalwork in iron and aluminum for new and existing designs. Benches, columns, street lighting and signs, mailboxes, fountains, planters.	Free Write in No. 3148	✔	✔	✔	✔		✔	✔				✔		Benches, columns, mailboxes, fountains, planters	Aluminum, iron, bronze	100%
Tennessee Fabricating Co. 901-725-1548; Fax: 901-725-5954 www.tnfab.com Memphis, TN 38104	Wholesale supplier of cast and forged ornamental metal railing components and hardware.	Free Write in No. 5180	✔	✔	✔	✔	✔		✔							Aluminum, bronze, cast iron	5%

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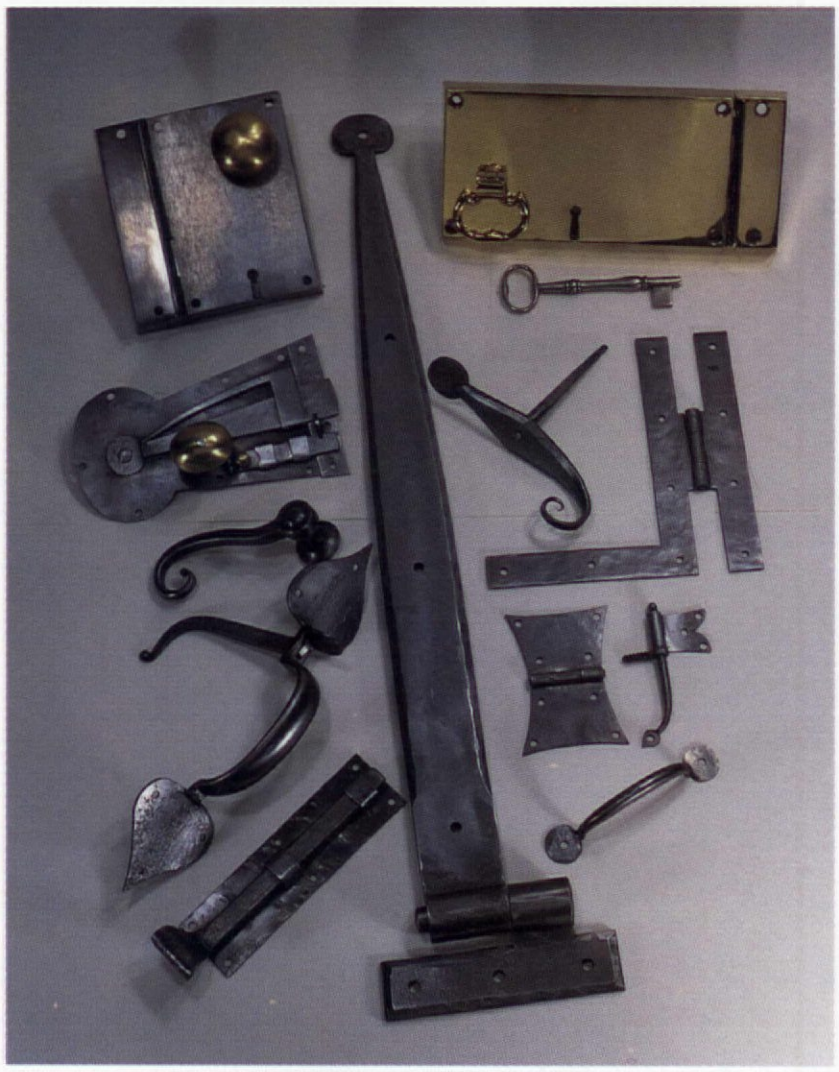

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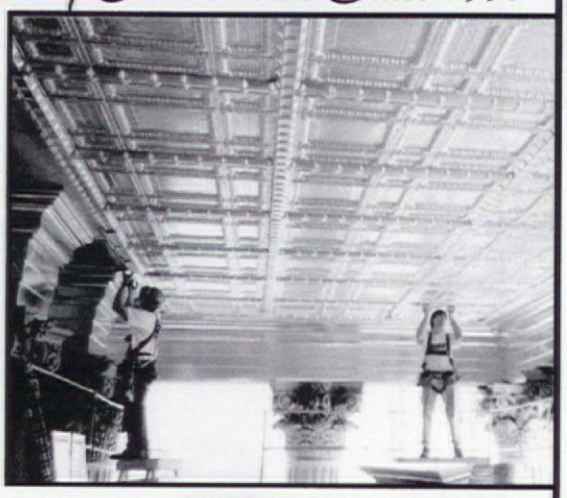

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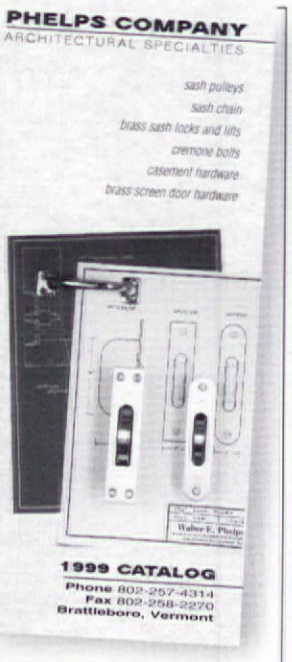

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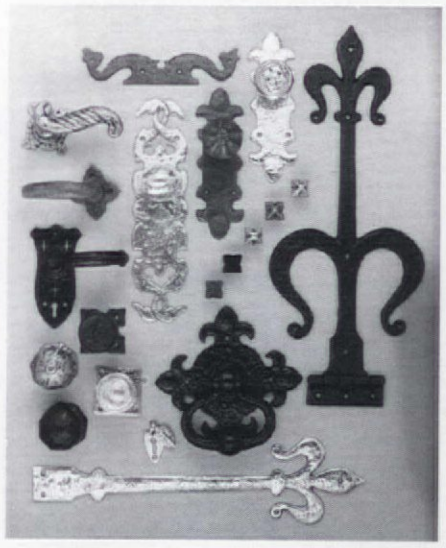

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COMPANY	SPECIALTY	Literature	Gates	Railings	Stairs	Lighting	Hardware	Sculpture	Signage/Plaques	Cast Ornament	Stamped Metal	Registers & Grilles	Furniture	Patinating	Other	Materials	% Custom
Texas Metal Industries, Inc. 800-222-6033; Fax: 800-472-3807 www.txmetal.com Crandall, TX 75114	Ornamental aluminum castings: outdoor furniture and lighting, gate and fence components, mailboxes, hardware, finials, and balustrades. Also, cast-aluminum fountains, lamp posts, and urns.	Free Write in No. 9430	✔	✔	✔	✔	✔		✔	✔			✔		Mailboxes, balustrades, finials, urns, fountains	Aluminum, cast iron	10%
Tomco Metal Fabricating, Inc. 216-431-6300; Fax: 216-431-4912 1873 E. 55th St. Cleveland, OH 44103	Since 1976, award-winning studio has specialized in all miscellaneous architectural metals, custom designs, and fabrication.	Free	✔	✔	✔	✔		✔	✔	✔		✔	✔		Canopies/ marquees, doors/frames, decorative fencing	Wrought iron/steel, aluminum, bronze, brass, copper, cast iron, stainless	100%
Tremont Nail Co. 508-295-0038; Fax: 508-295-1365 www.tremontnail.com Wareham, MA 02571	Manufactures decorative-head steel cut nails in 20 different patterns. Restoration nails a specialty. Cut nails can be used in all wood species except cedar. Also, Colonial hardware for windows and doors.	Free Write in No. 2669					✔				✔				Nails	Steel	5%
Vulcan Supply Corp. 802-893-0512; Fax: 802-893-0534 P.O. Box 100 Westford, VT 05494	Specialist in replication of historic architectural sheetmetal ornamentation; custom and stock finials, weathervanes, cornices, vented ridge cresting, leader boxes, cupolas, roof vents, and more; all periods and styles.	Free Write in No. 7212				✔		✔					✔		Roofing specialties	Bronze, brass, copper	75%
W.F. Norman Corp. 800-641-4038; Fax: 417-667-2708 P.O. Box 323 Nevada, MO 64772	Major fabricator of sheetmetal ornament; hundreds of stock designs of cornices, moldings, brackets, pressed-metal ceilings, etc.; duplication from samples or drawings.	Free Write in No. 520									✔					Brass, copper, zinc	5%
Wagner Foundry, Inc. 800-276-1084; Fax: 773-276-9656 www.wagnerfoundry.com Chicago, IL 60622	Bronze, brass, and aluminum sand and investment casting since 1941. Specializing in ornamental storefronts for historical landmarks. Reproduction builders hardware and dedication tablets also available.	Free Call for more information					✔	✔	✔	✔		✔	✔			Cast bronze, cast brass, cast aluminum	100%
Wemco Casting 631-563-8050; Fax: 631-563-8054 20-2 Jules Ct. Bohemia, NY 11716	Since 1934, supplying custom castings for ornamental, architectural, and historic requirements, in aluminum, bronze, and iron; small runs a specialty.	Free Write in No. 1243	✔	✔	✔			✔	✔	✔					Custom metalwork	Aluminum, bronze, cast iron	75%
Whitman Castings, Inc. 973-835-3671; Fax: 973-835-3698 345 Colfax Road Wayne, NJ 07470	Manufactures sand castings ornamental fences. Reproduces original iron castings inexpensivel with quick turnaround. Will pour iron, bronze, and aluminum, from ounces to 10,000 lbs. No job too small.	Free	✔	✔	✔			✔	✔	✔		✔				Aluminum, bronze, cast iron	100%
Wiemann Ironworks 918-592-1700; Fax: 918-592-2385 www.wiemanniron.com Tulsa, OK 74104	Since 1940, firm designs, fabricates, and installs fine forged architectural and ornamental metalwork for a national market. Residential and commercial. Custom finishes. CAD services. NOMMA's most award-winning metal fabricator.	Free Write in No. 1223	✔	✔		✔	✔					✔	✔		Fireplace accessories, gazebos, canopies, weathervanes	Wrought iron	90%

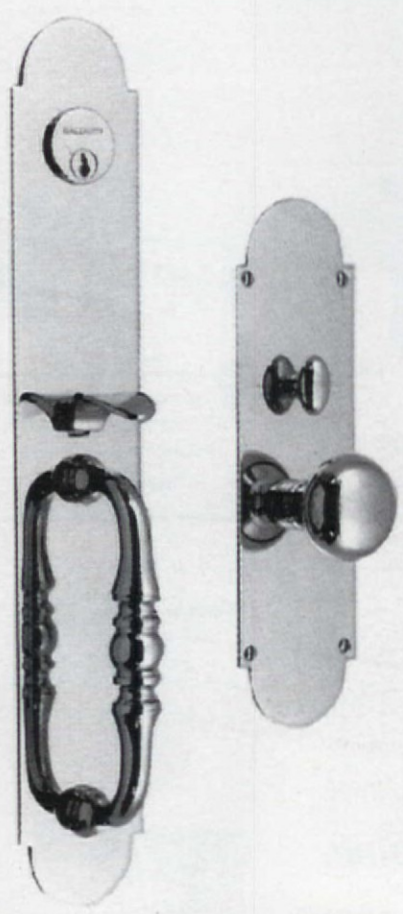
ORNAMENTAL METALWORK PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 44-56.

The "Estate" series of fencing from MONUMENTAL IRON WORKS features pressed-point tops which recall very early English and European iron work. *Write in No. 6910*

ARTIST IN IRON fabricated this 7-1/2-in/-dia. front-door treatment, one of six custom allegorical sunflowers adorned with literary themes. ***Call 732-560-8199 for information***

HEATHER & LITTLE has several leo-nine-styled ornamental pieces in sheet metal; shown is #1030, which measures 36 in. high x 36 in. wide. *Write in No. 2470*



The "Lancaster" handle set, #6543 from KOLSON, can be ordered in latch or knob styles. *Write in No. 3760*

This projected locking hardware is part of the sizable line of window hardware cast in white bronze by BRONZE CRAFT. *Write in No. 8580*

BRANDON INDUSTRIES' line of cast mailboxes and decorative posts, made of heavy-duty aluminum, includes the #M1 mailbox shown here, measuring 9 in. wide x 14 in. high x 20 in. deep. *Write in No. 73*

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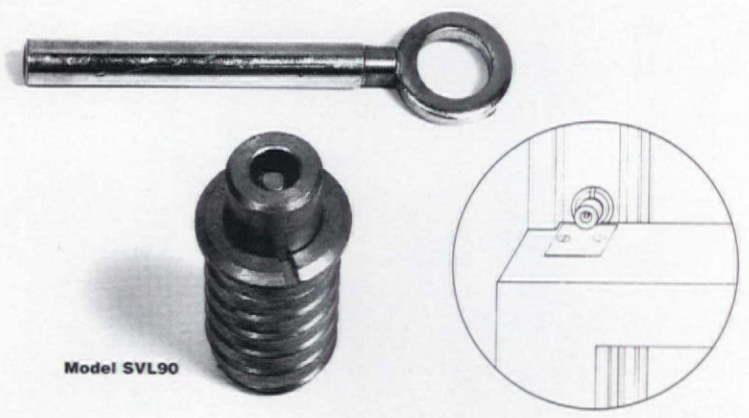
WRITE IN NO. 5170

secure ventilation lock



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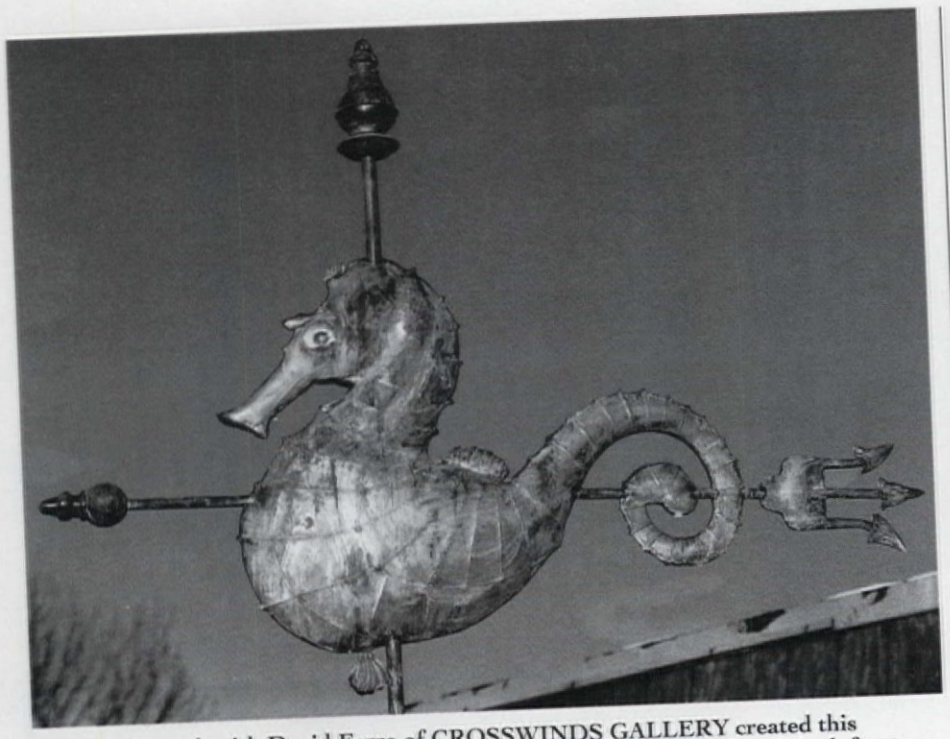
WRITE IN NO. 6001

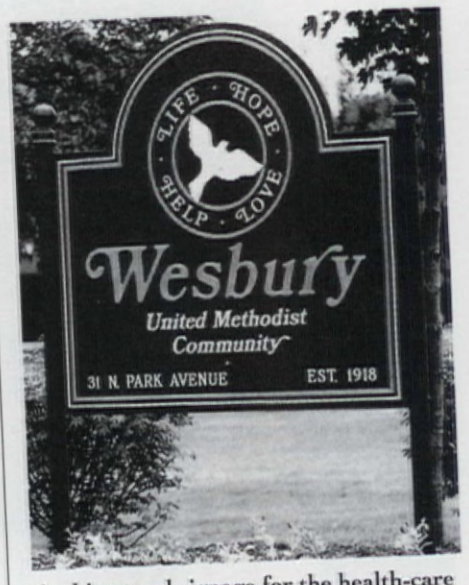
ORNAMENTAL METALWORK PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 44-56.



Artist and metalsmith David Ferro of CROSSWINDS GALLERY created this 54-in.-long sea-horse weathervane, a replication of the Samuel Yellin original, for a Florida museum. *Write in No. 107*

CONSERVATION SOLUTIONS electroplated the huge cast-iron columns of the Senate Chamber of the State Legislature in Topeka, Kan., as part of the restoration of the 1885 building. *(photo: Photo I, Inc.) Write in No. 3139*



Architectural signage for the health-care industry is a specialty of LAKE SHORE INDUSTRIES. The firm custom-cast this 4x4-ft. sign in aluminum. *Write in No. 8730*

The 12-ft.-high, cast-bronze gonfalon support of this towering flagpole in New York City's Central Park is the expert worksmanship of B&H ART-IN-ARCHITECTURE. *Write in No. 1009*

This San Francisco restaurant welcomes its patrons with a dramatic door entry pull, fabricated in hand-forged mild steel and copper by JEFFERSON MACK. *Write in No. 1079*

Designer Beth Thevenot came up with this nature-themed pair of door and window panels, replete with birds and flowers, which was hand-forged in steel, welded together, and painted black by BUBBA'S ANVIL WORKS. *Write in No. 3024*

MAXWELL METAL fabricated this stylish decorative metal panel for the Student Union of the University of Texas at Austin. *Write in No. 2677*

This lead cistern, #2438 from LYNCH & SONS, sports grape- and foliate-patterned borders and measures 24 in. high x 36 in. wide. *Call 203-762-8363 for information*

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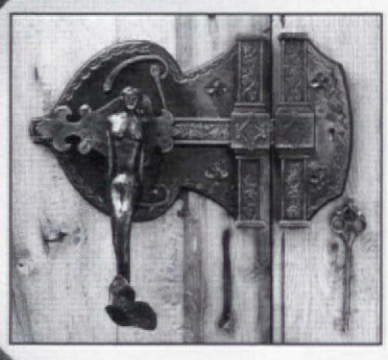

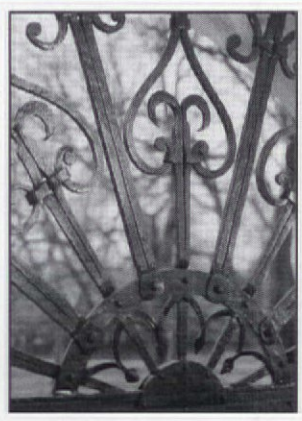

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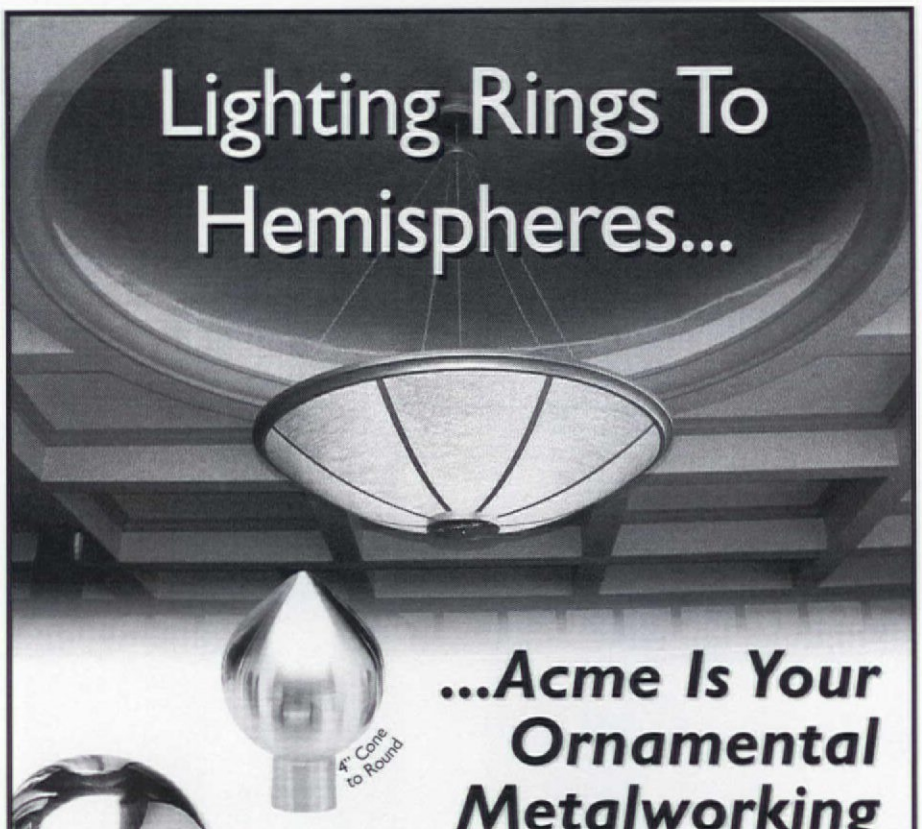

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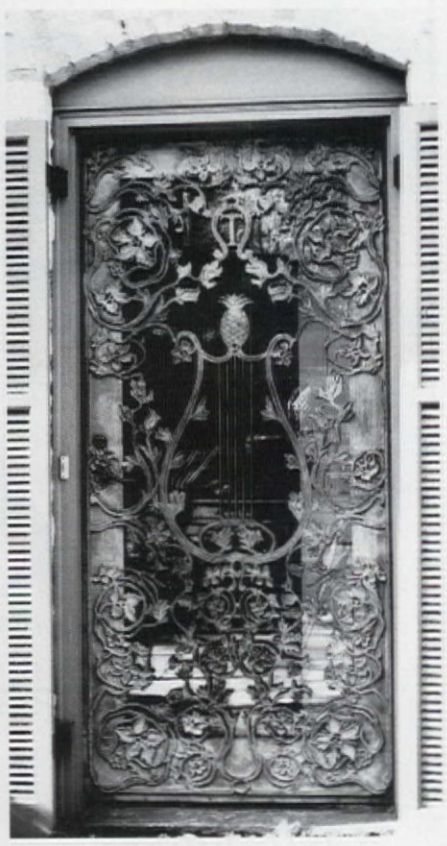
WRITE IN NO. 6001

ORNAMENTAL METALWORK PORTFOLIO

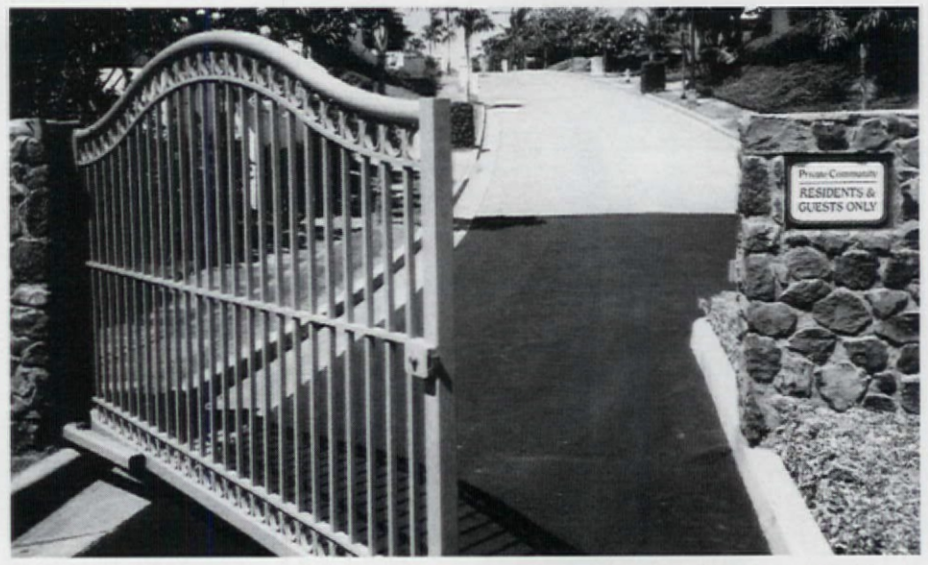
For full contact information on these companies, consult the SourceList on pp. 44-56.

This rust-resistant, thumbgrip door handle from ARCHITECTURAL IRONWORKS features a powder-coated finish. *Write in No. 540*

CICCONE & CO. restored the pivoting hardware of these bronze doors, which were originally created by sculptor Daniel Chester French for the Boston Public Library. *Write in No. 525*



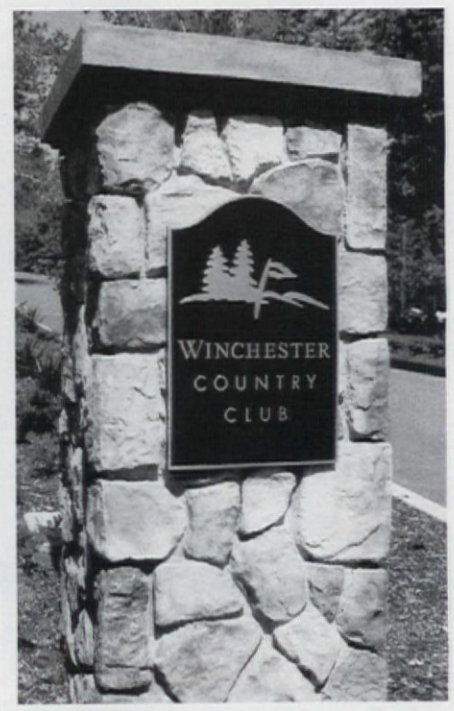
LEO CUSTOM HARDWARE fabricated this ornate, music-themed cast-bronze grillework door. *Write in No. 1253*



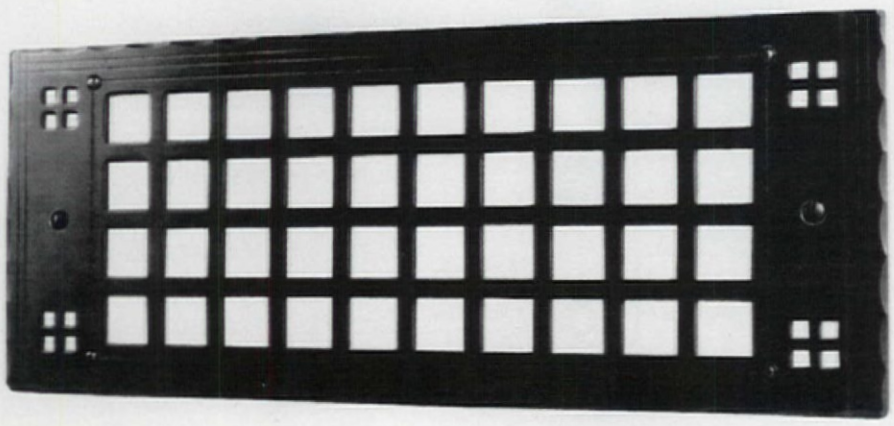
Equipped with a Model 400 heavy-duty hydraulic swing-gate operator from FAAC INTERNATIONAL, this imposing gate enjoys 125 degrees of swing and can open to the inside or the outside. *Write in No. 551*

MAX-CAST poured the cast-iron grilles for this stairway as part of a restoration at the University of Iowa. *Write in No. 2704*

THE ORNAMENTAL METAL INSTITUTE OF N.Y. sponsors programs to aid architects in the design of architectural and ornamental metal, such as the marriage of stainless steel, wood, and glass in this dramatic circular-stair design. *(photo: Fran Solomon) Write in No. 5430*



Signage in a range of metals, including aluminum, bronze, and brass, is the specialty of CUSTOM HOME ACCESSORIES. *Write in No. 527*



Arts & Crafts-style air grilles from CRAFTSMEN HARDWARE, such as #CGP410 shown here, are available in 12 standard sizes. *Write in No. 6980*

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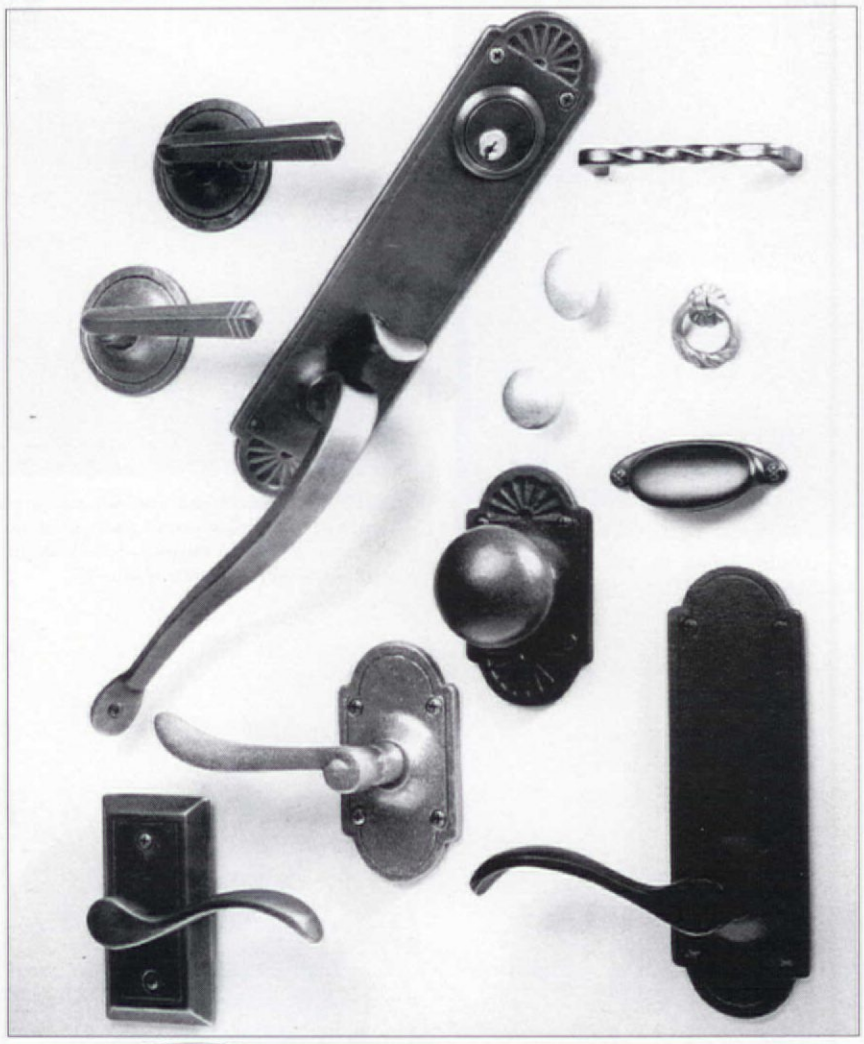

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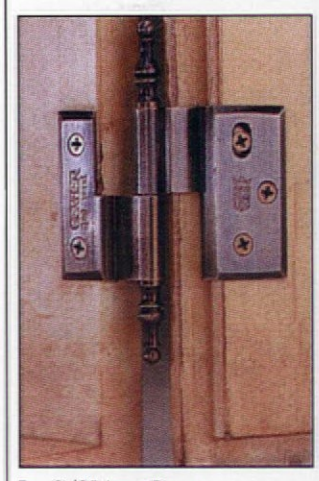

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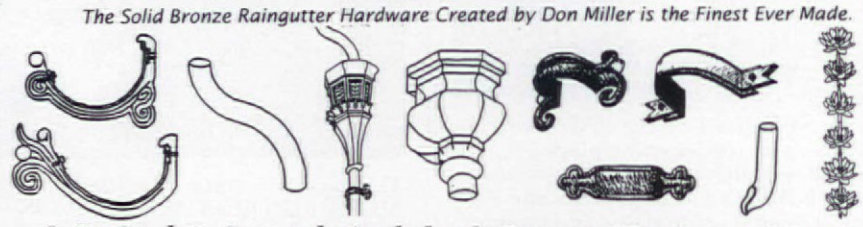

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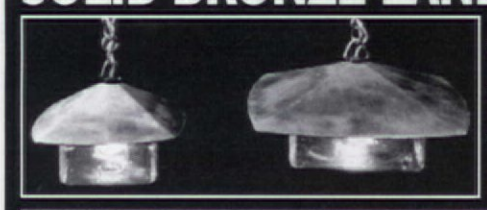

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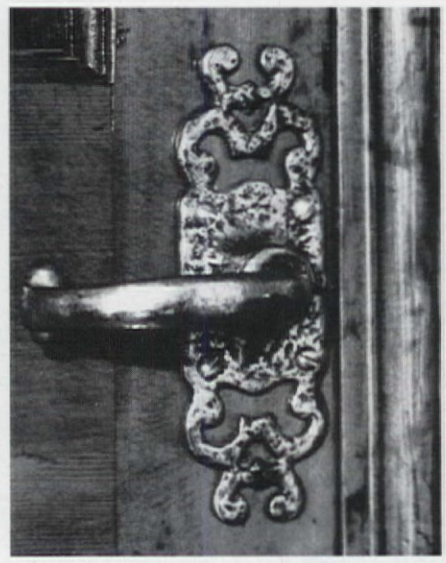
WRITE IN NO. 3139

ORNAMENTAL METALWORK PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 44-56.

Custom cast-metal street plaques such as this one are a specialty of the signmakers at HEALY BROS. FOUNDRY. *Write in No. 5530*



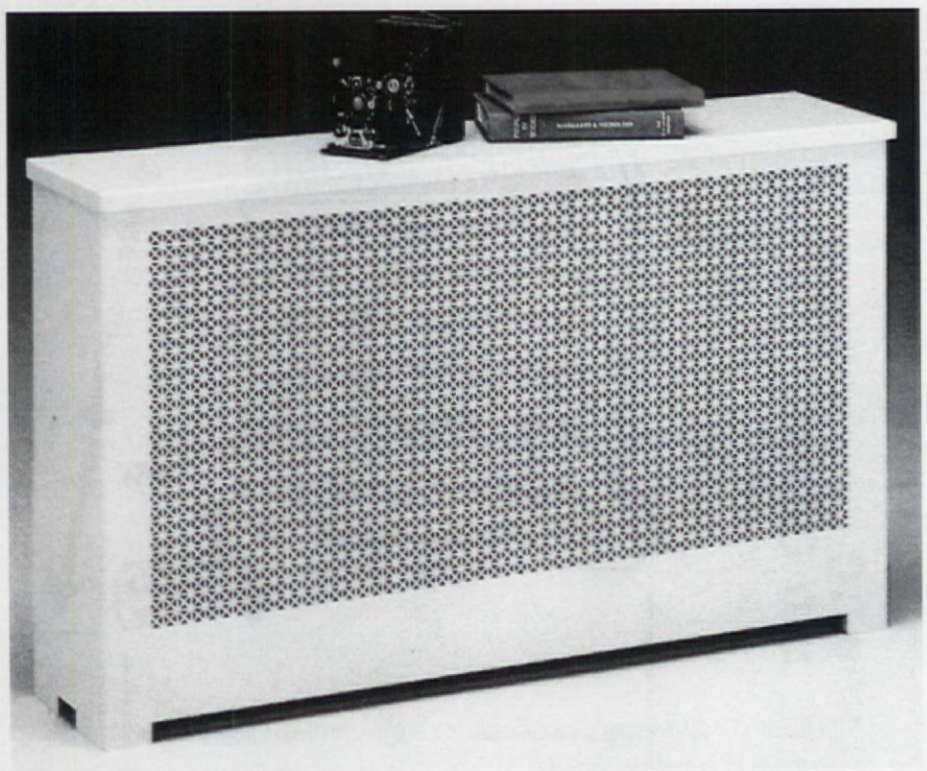
This attractive door handle was fabricated by MAGUIRE IRON. *Write in No. 7600*

COPPERCRAFT can provide old-style hand-curved half-round, quarter-round, and ogee gutter in copper, lead-coated copper, or zinc. *Write in No. 1490*

Along with sheathing the clock tower dome in new copper and replacing the copper gutters and standing-seam roofs, NIKO CONTRACTING also restored the sheet-copper statues atop the Hancock County Courthouse in Findlay, Ohio. *Write in No. 861*

This decorative entry gate fabricated by MUELLER ORNAMENTAL IRON WORKS combines functionality with beauty. *Write in No. 229*

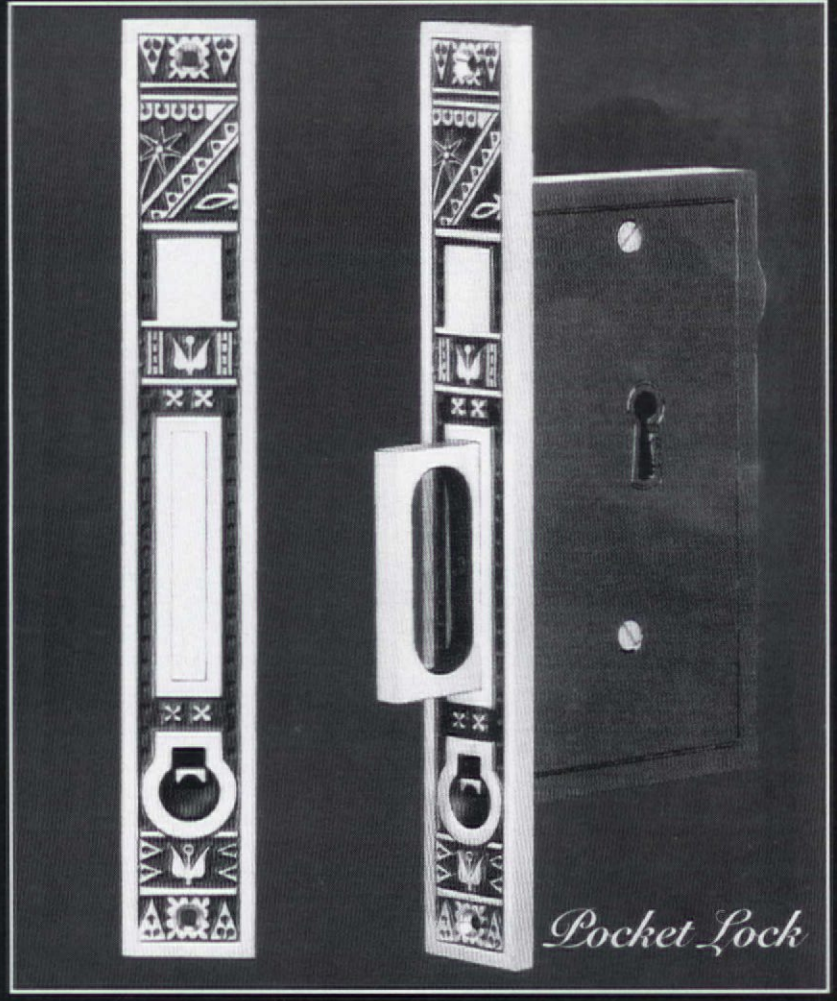
This standing-seam window canopy, installed as part of the restoration of the Torrance Train Station, was fabricated in 16-oz. copper by C&J METAL PRODUCTS. *Write in No. 596*



The "Empire" radiator enclosure from MONARCH PRODUCTS is available in versions of one to four grille panels, depending on the enclosure's length. *Write in No. 6060*

The "Medici Urn With Handles," fashioned in lead by FLORENTINE CRAFTSMEN, is 30 in. high x 25 in. diameter. *Call 718-937-7652 for information*

ORNAMENTAL STEEL DESIGNS fabricated this traditionally styled railing for the Beau Rivage Casino in Biloxi, Miss. *Write in No. 2795*



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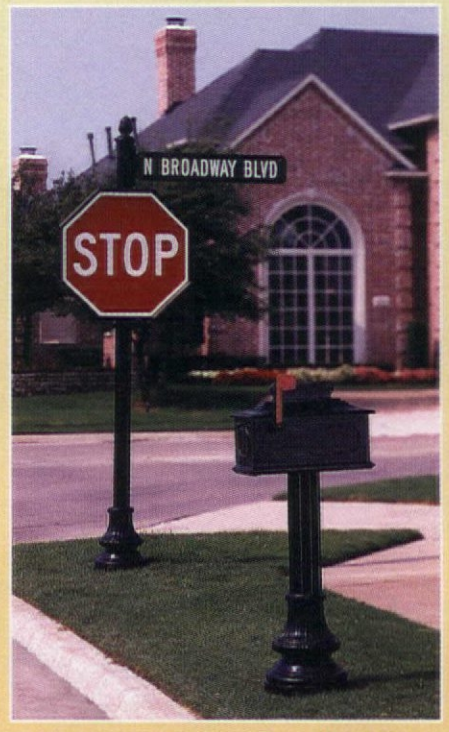

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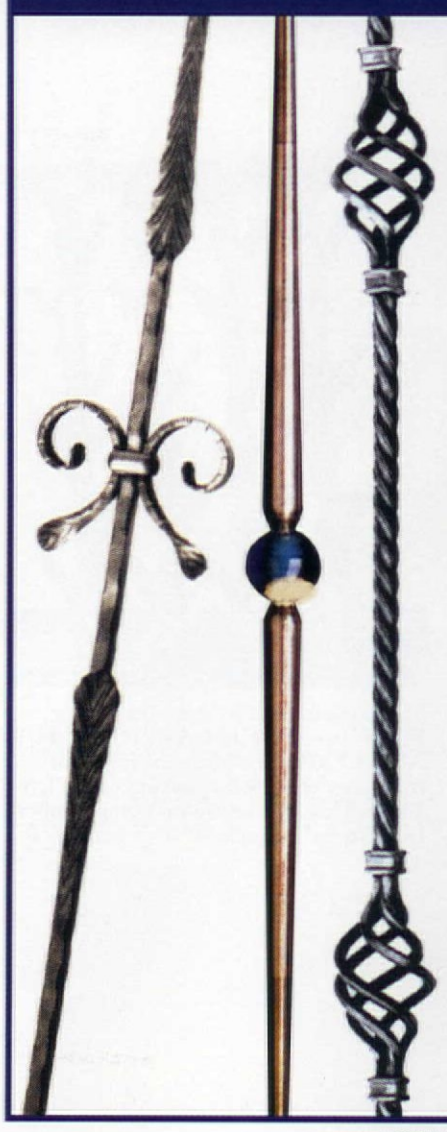

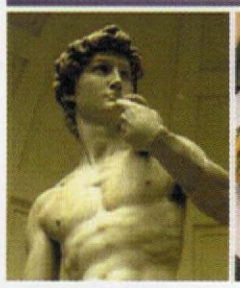

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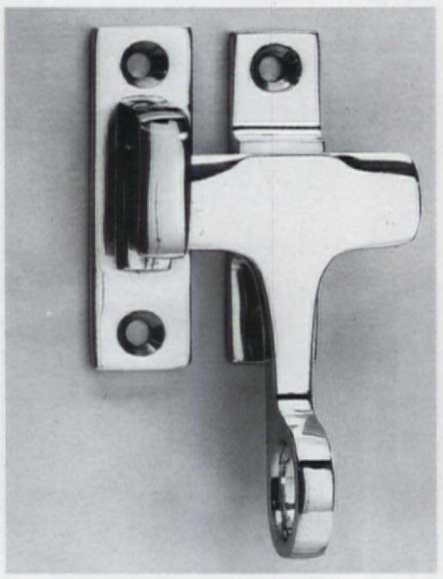
ORNAMENTAL METALWORK PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 44-56.

The 180-Degree Round-Square Combination series of tree grates from NEENAH FOUNDRY is designed with an expandable tree opening. *Write in No. 1345*

Cast-iron railing panels and forged-steel balusters can be obtained in many different styles from CRESCENT CITY IRON SUPPLY. *Write in No. 1222*



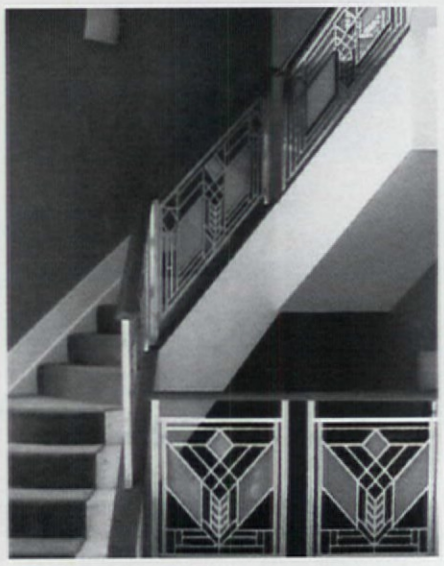
Casement fastener #CF3893 from PHELPS COMPANY is a classic pattern common to early-20th-century American windows, and can be used on both inswing and outswing casement sash. *Write in No. 6001*

This wrought-iron window grille is only one example of the plethora of ornamental metalwork available from ARCHITECTURAL PRODUCTS BY OUTWATER. *Write in No. 2655*

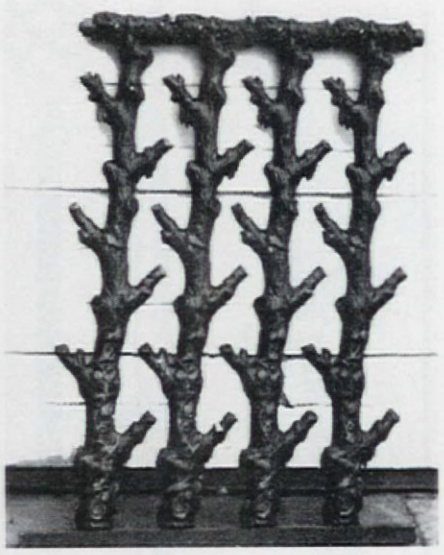
PATTEN DESIGN will custom-fabricate door and window hardware, such as this Arts & Crafts-style door knob and escutcheon. *Write in No. 1520*

NIKOLAS & COMPANY, a specialist in coatings for such decorative metals as brass, bronze, and anodized aluminum, provided the coating for the ornate metal doors of this entryway. *Write in No. 2691*

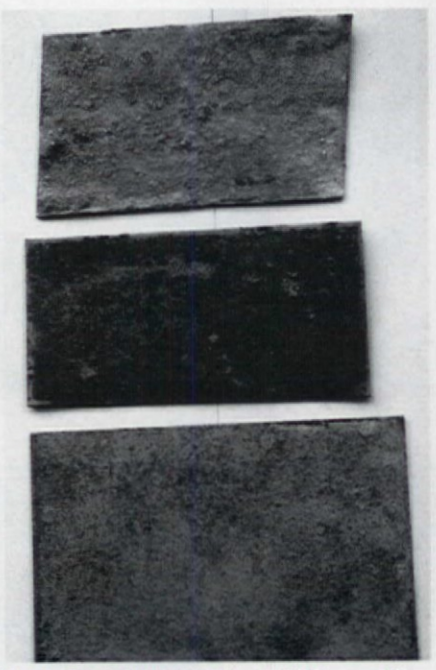
REGGIO REGISTERS hand-casts and hand-finishes all of its grilles, which are available in iron, brass, or aluminum. *Write in No. 5810*



These specially-fabricated stainless-steel rail panels from TOMCO METAL FABRICATING have posts inlaid with glass, and wooden caps, and use fiber-optics to create a unique lighting effect.



The cast-aluminum "American Twig Fence" from SCHIFF ARCHITECTURAL DETAIL carefully replicates an American vernacular fencing of the late 1860s. This 2-ft. section is comprised of four "twigs" or pickets. *Write in No. 7730*



SUR-FIN CHEMICAL CORP. supplies patinating solutions for brass, pewter, bronze, copper, iron, and, shown here, steel. *Write in No. 5620*

A green patina supplied by METALLIC COATINGS & PATINA FINISHES brings an instant look of age and character to this bronze statue. *Write in No. 3150*

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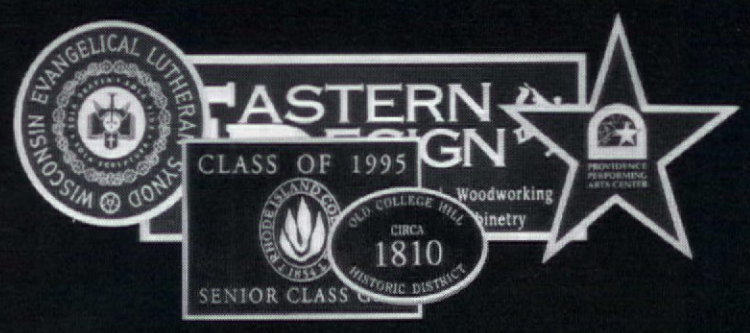

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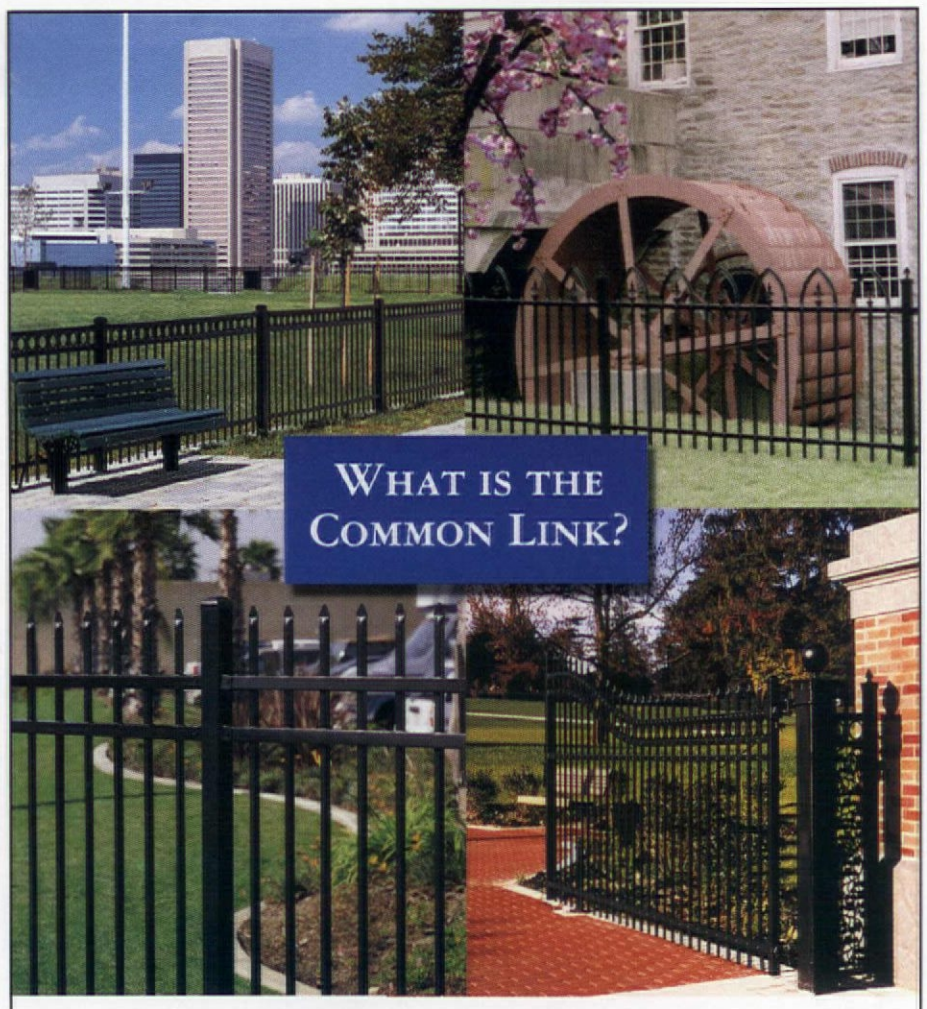

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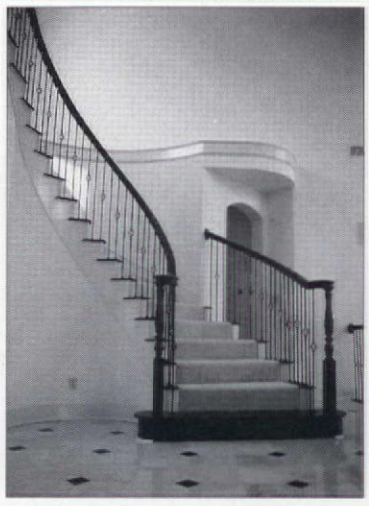

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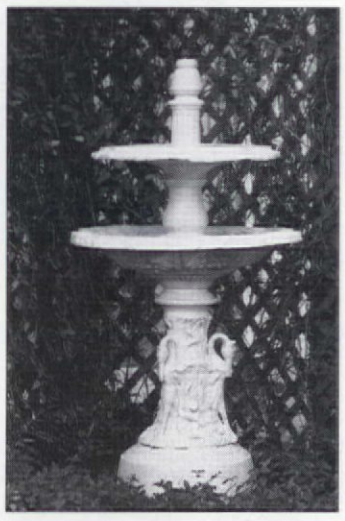

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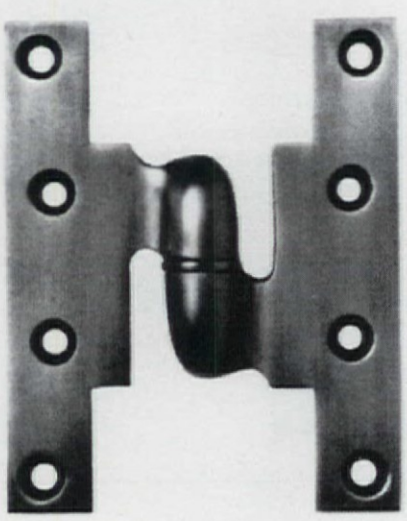
WRITE IN NO. 9430

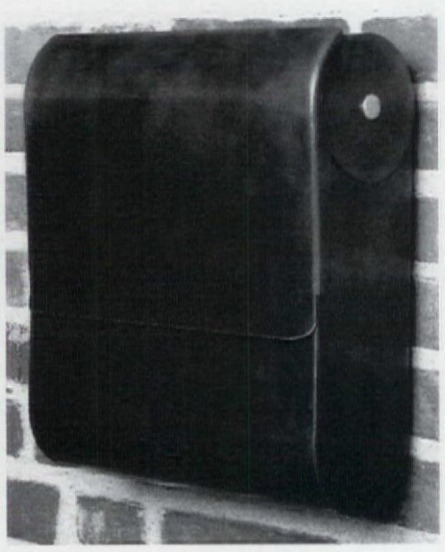
ORNAMENTAL METALWORK PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 44-56.

BROSAMER'S BELLS expanded their inventory with 13 cast-bronze bells obtained from this Indiana church. *Write in No. 7150*

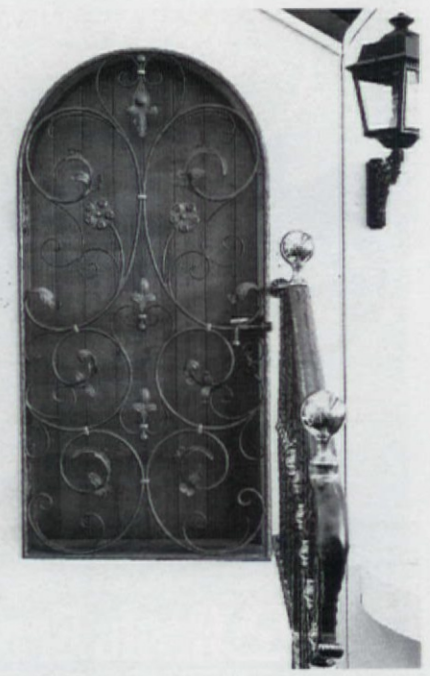


Based on hinges of the 1930s, the Olive Knuckle Hinge from NANZ CUSTOM HARDWARE is sand cast in brass and comes in versions for full-size doors (#3003) or cabinet doors (#8210). *Write in No. 1150*



The hand-crafted copper "Saddlebag" mailbox from CHAENOMELES weighs 8 lbs. and measures 14 in. tall x 12 in. wide x 5 in. deep. *Write in No. 1360*

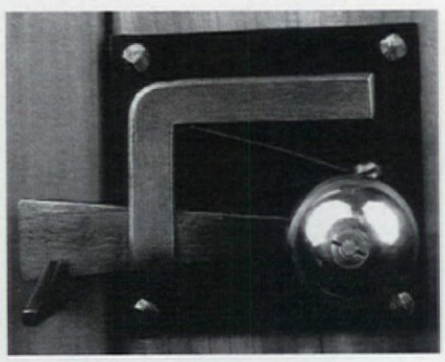
Ornamental castings from TEXAS METAL INDUSTRIES can be used to create fence, screen, and grille patterns. *Write in No. 9430*



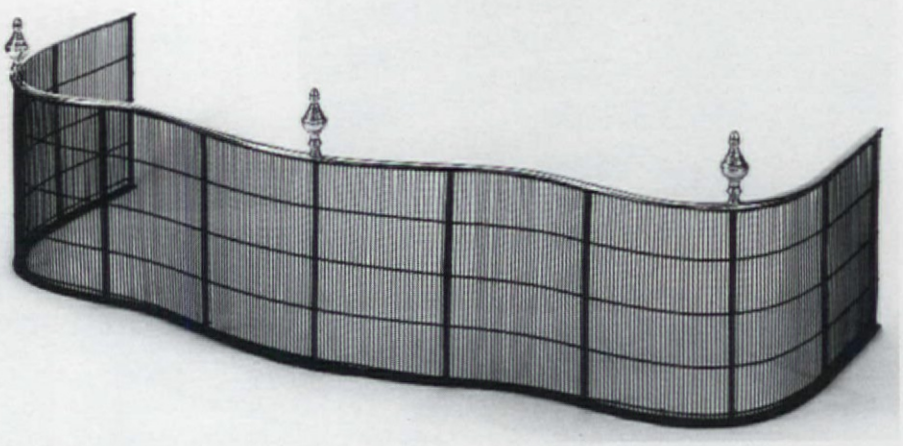
Delicate ornamental metalwork, such as the attractive gate for this entranceway, is a specialty of INDITAL. *Write in No. 6560*

This ornamental metal balcony was designed, fabricated, and installed by HERNDON & MERRY, INC.

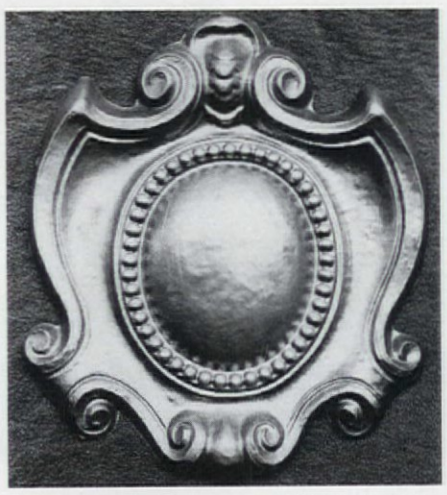
FRANK MORROW COMPANY fabricates forged and stamped leaves as ornament for fences and gates. *Write in No. 1220*



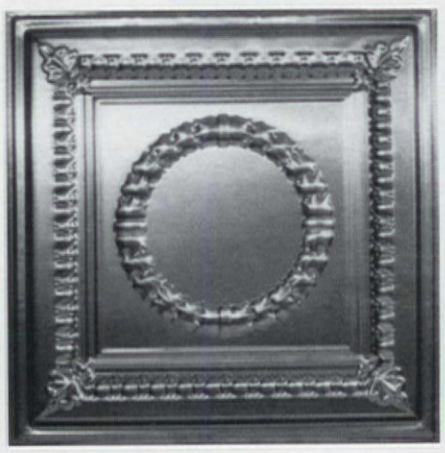
BRANDYWINE VALLEY FORGE produces an array of stock and custom hardware, such as this Early American latch. *Write in No. 302*



BALL & BALL's vast line of ornamental metalwork runs the gamut from hardware of all sorts to fireplace accessories, such as this serpentine wire fender, complete with brass finials and top rail. *Write in No. 2930*



The stock line of ornamental shields in sheet metal from W.F. NORMAN includes #2920, which measures 20 in. x 24 in. *Write in No. 520*



AA-ABBINGDON produces easy-to-install, 2-ft.-x-2-ft. metal lay-in ceiling panels, such as the #503 shown here, which has a 3/8-in. profile edge that provides a dynamic 3-D perspective, dropping the panel below the grid. *Write in No. 8920*

BOB'S ORNAMENTAL IRON STUDIO designed this sculptured artistic railing for a 1997 ASID Show House.

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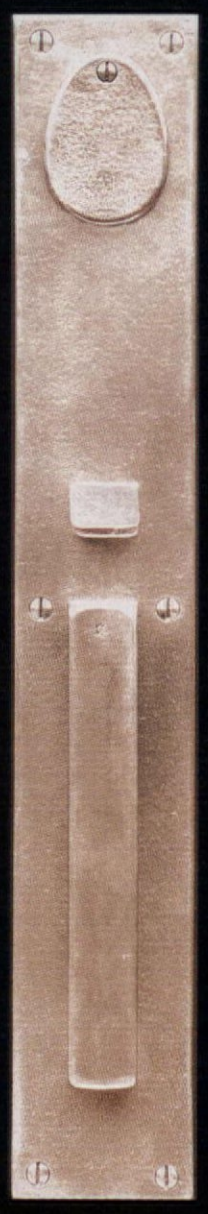

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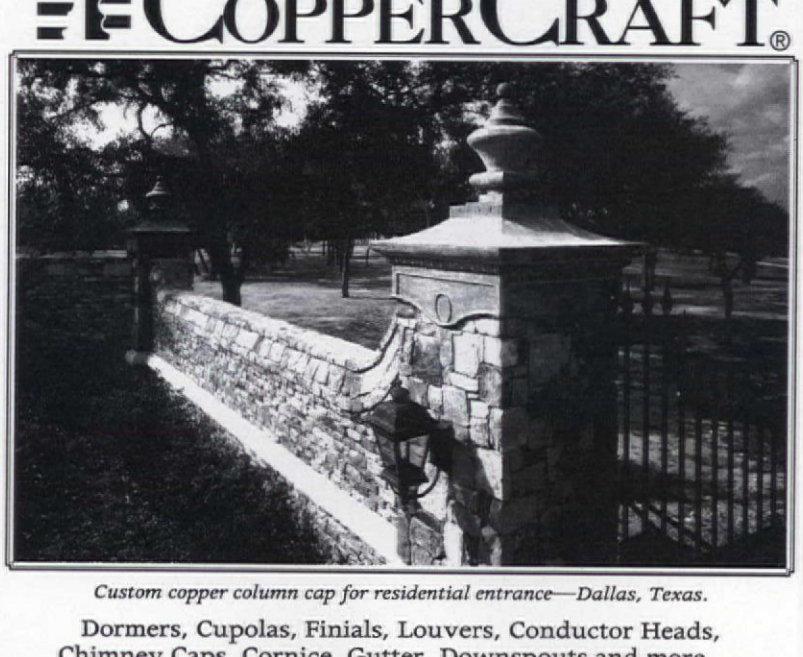

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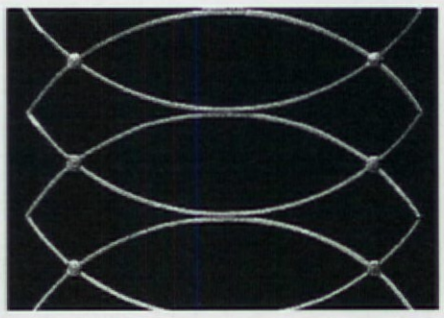
WRITE IN NO. 1490

ORNAMENTAL METALWORK PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 44-56.

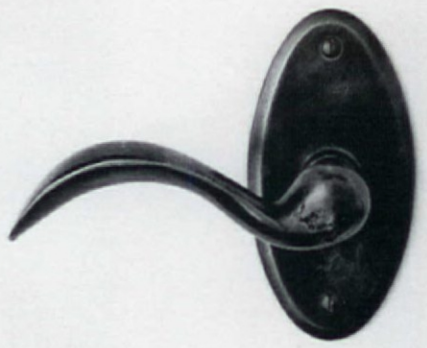
These forged-steel balusters, each 35-7/16 in. tall, are item #13-64-H10 from KING ARCHITECTURAL METALS. *Write in No. 418*



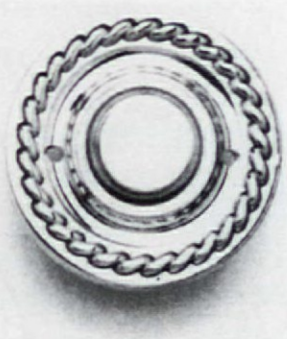
The line of European hardware imported by THE GOLDEN LION includes decorative brass grilles in a spectrum of patterns from the geometric to the open, minimalist design shown here. *Write in No. 115*

Working with the Philadelphia architects Voith & MacTavish, BROKEN ANVIL FORGE fabricated a series of ten window grilles for Drexel University. *Write in No. 525*

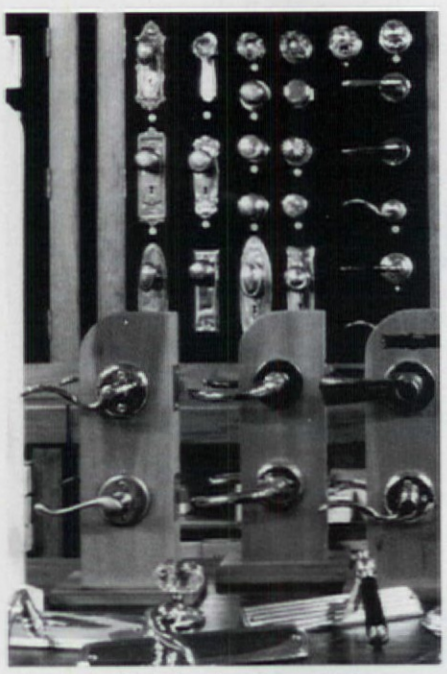
BALTICA'S "Chartres" series includes this lever, sandcast in bronze and brass. A variety of patinas and plated finishes are available. *Write in No. 411*



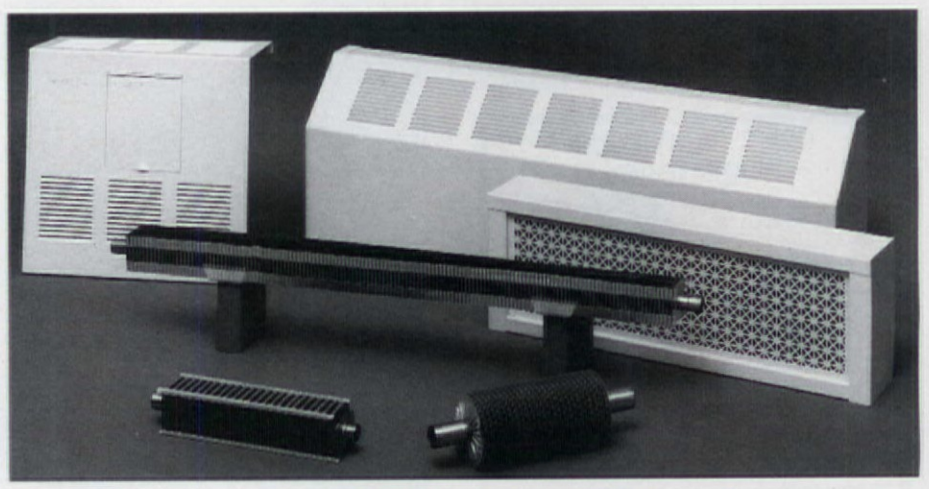
SUN VALLEY BRONZE offers the "Beaver Tail Lever," #L-105, shown here with the #OP-500 escutcheon, both hand-crafted and hand-finished in solid bronze. *Write in No. 136*



Door bells from CROWN CITY HARDWARE are available in both the old-fashioned manual version and the lighted bell buttons for electric door bells. *Write in No. 432*



An array of quality hardware in brass, iron, wood, and glass is available from OLD & ELEGANT DISTRIBUTING. *Write in No. 1570*



Steel radiator covers from ARSCO MFG. include the FT 90 Square Top (left), FT 45 Sloped Top (center), and FTPT Perforated Type. *Write in No. 8610*

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These panels, inserts, and posts are only some of the custom ornamental castings offered by WEMCO CASTING. *Write in No. 1243*

The entry to this business is distinguished by bronze "Branch Grips," #G610, with matching rectangular pull escutcheons, #G604, from ROCKY MOUNTAIN HARDWARE. *Write in No. 7720*

Ornament such as these arrows and feathers in hot-rolled, woodgrained steel can always be found at J.G. BRAUN. *Write in No. 1390*

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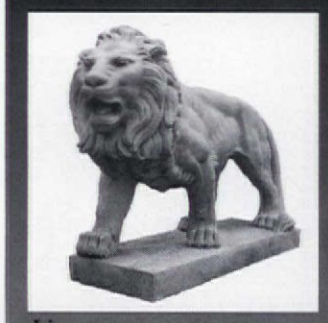

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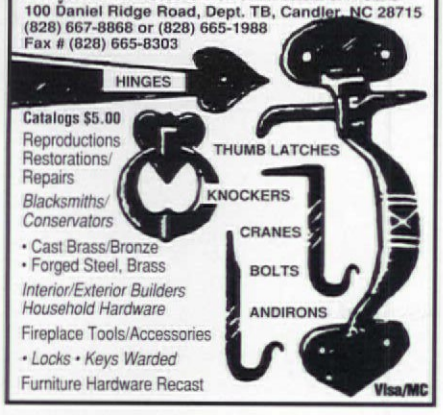

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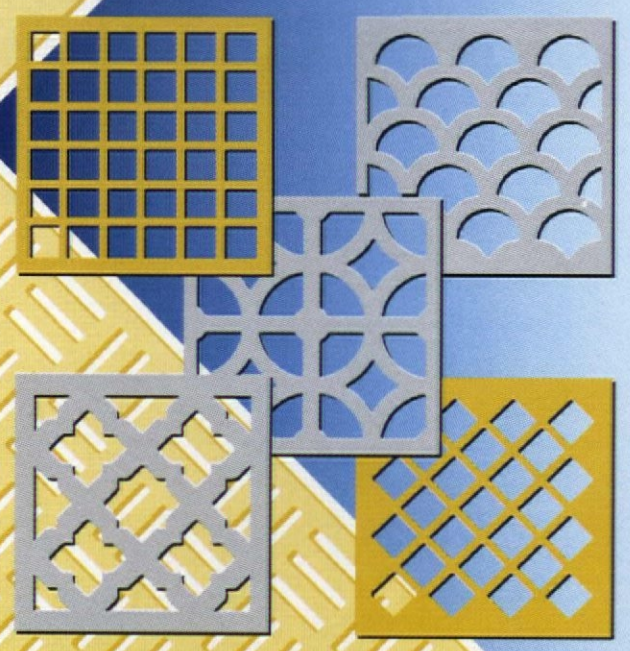

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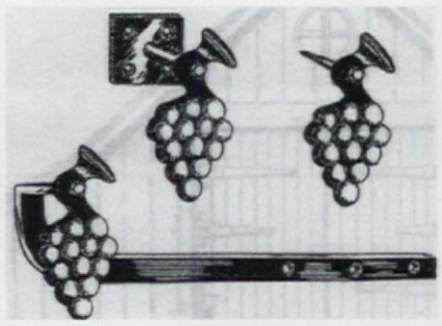
WRITE IN NO. 9820

ORNAMENTAL METALWORK PORTFOLIO

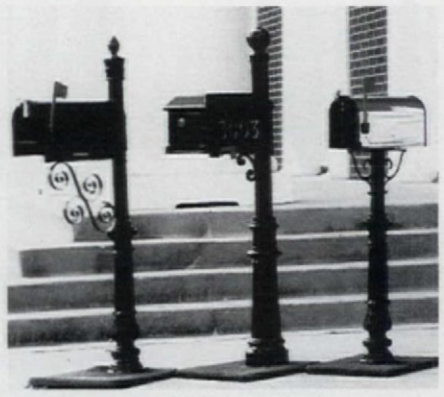
For full contact information on these companies, consult the SourceList on pp. 44-56.

This Victorian-inspired design is one of numerous pressed-metal ceiling patterns available from CHELSEA DECORATIVE METAL. *Write in No. 190*

HERWIG LIGHTING produces a range of cast-metal ornament, including the Corinthian column cap #356 shown here, made of cast aluminum and available in any standard finish. *Write in No. 9130*



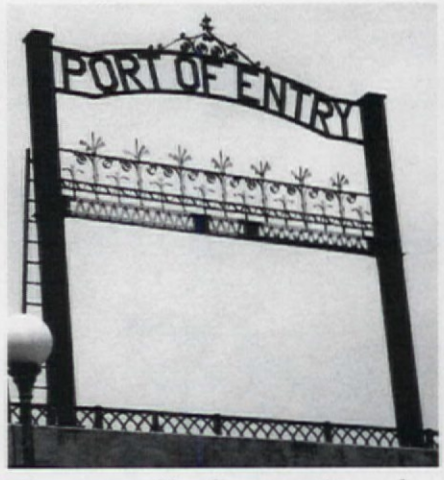
Shutter hardware is a specialty of JAMES PETERS & SON, where the line of shutter dogs includes the ornamented "Grape Pattern" series. *Write in No. 1240*



MEL NORTHEY's line of cast-aluminum mailboxes with posts are traditionally styled and available in either all black or all white. *Write in No. 53*

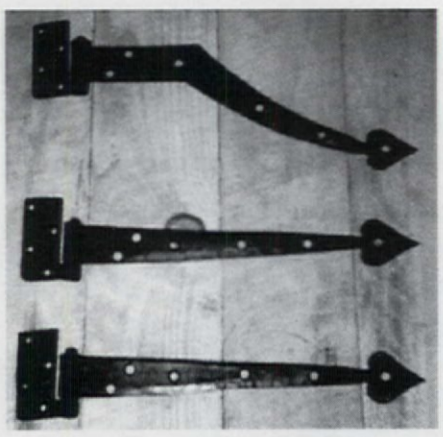
Signage in bronze, brass, and aluminum is a specialty of WAGNER FOUNDRY. *Write in No. 1062*

GERBER HINGE offers a variety of period-style hardware in brass and iron. *Write in No. 2540*



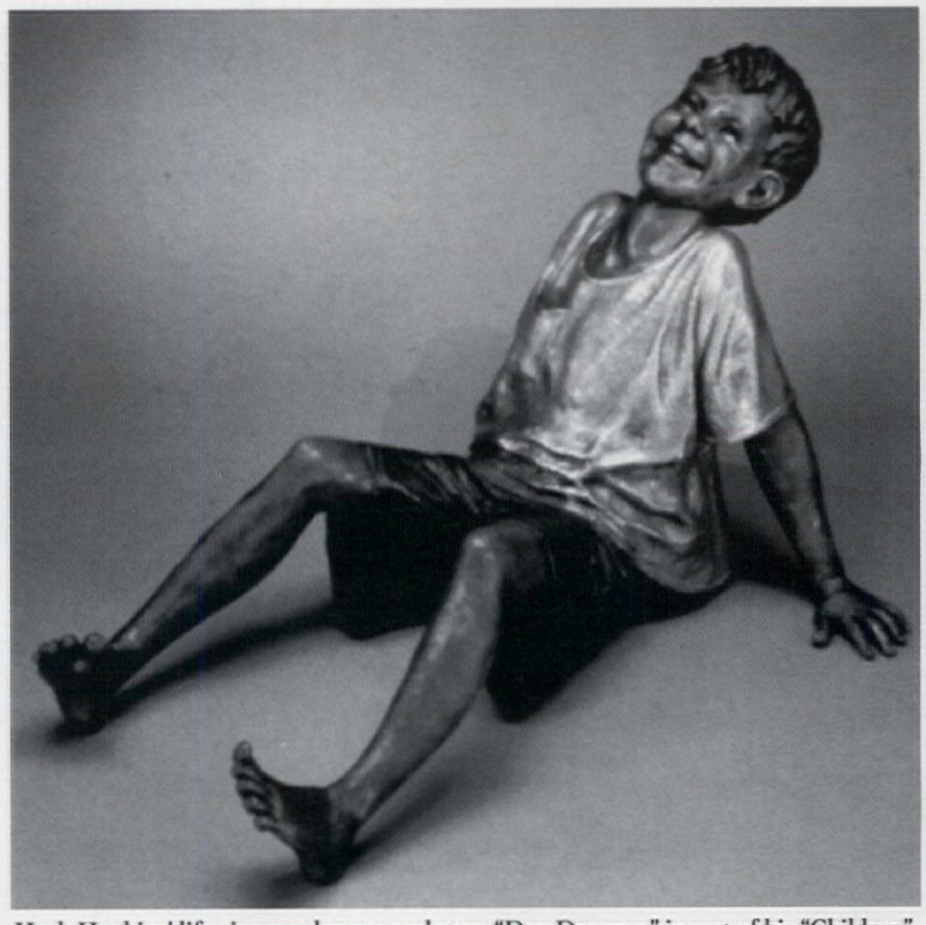
The century-old railings, cresting, and posts were restored by STEWART IRON WORKS. The firm also fabricated a new archway, steel understructure, and supports. *Write in No. 9910*

Coppersmith Don Miller produces ornamental stock and custom-cast bronze leaderheads as part of his line of raingutter hardware available from THE COPPERWORKS OF DON MILLER. *Write in No. 2000*



KAYNE & SON custom-forged these strap hinges, which feature a heart design and jamb pintles. *Call 828-667-8868 for information*

Working with designers Adam D. Tihany International Ltd., MISON CONCEPTS fabricated the bar, 16-ft. torchieres, and 80-ft. ellipses in New York City's Le Cirque Restaurant in stainless steel, glass, and neon. *(photo: Peter Paige) Write in No. 2740*



Mark Hopkins' life-size cast-bronze sculpture "Day Dreamer" is part of his "Children" series and is available through HOPKINS SCULPTURE. *Write in No. 2658*

Forged iron, such as these traditional door latches, is a specialty of SAARI METAL STUDIO, which produces custom architectural hardware as well as sculpture and sculptural furniture. *Write in No. 3032*

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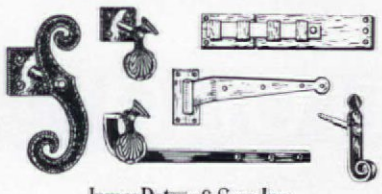

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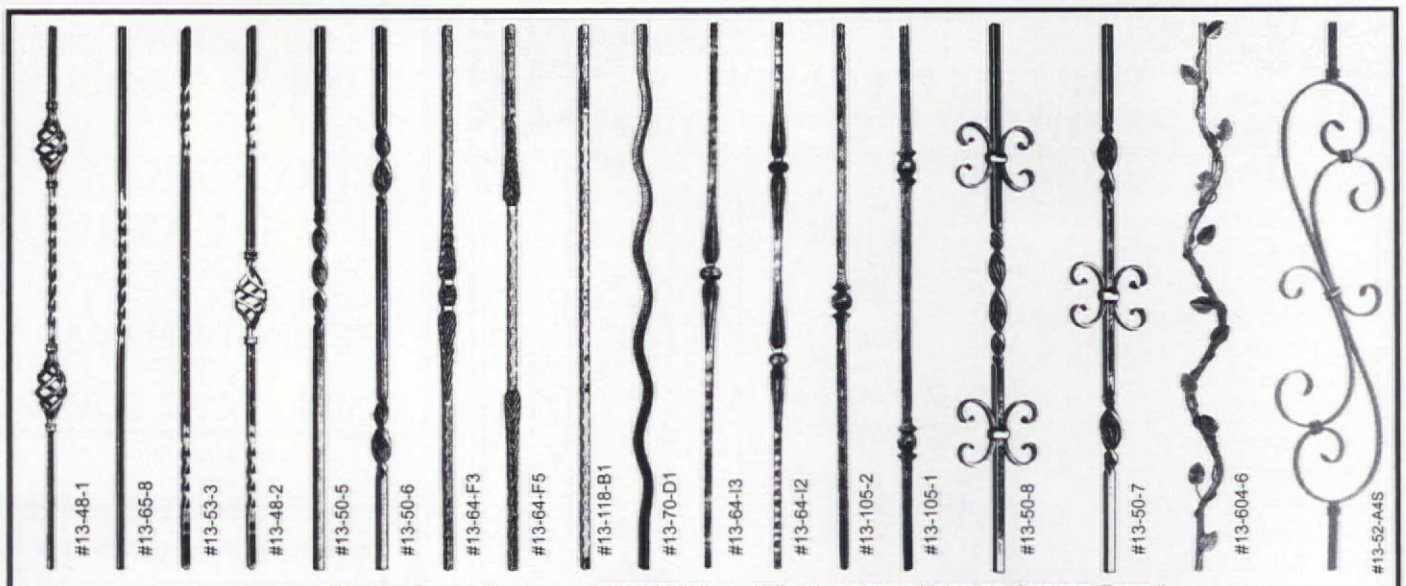

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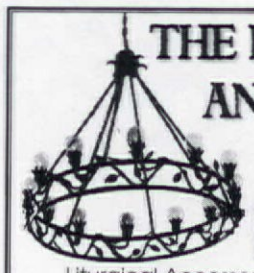

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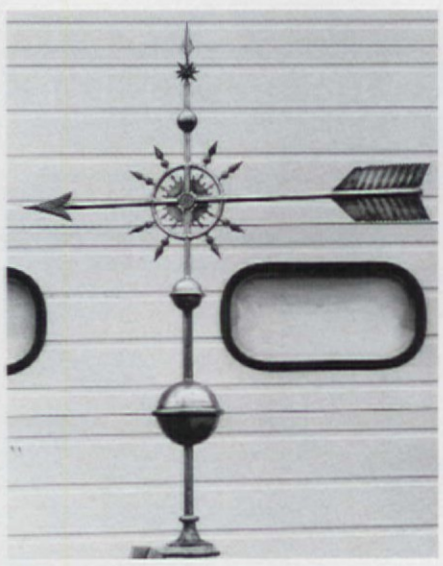
ORNAMENTAL METALWORK PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 44-56.

This elaborate and rhythmic public-sculpture commission, measuring 16 ft. x 8 ft., was fashioned in bronze and steel by GREAT LAKES ART STUDIO. *Call 312-226-6166 for information*

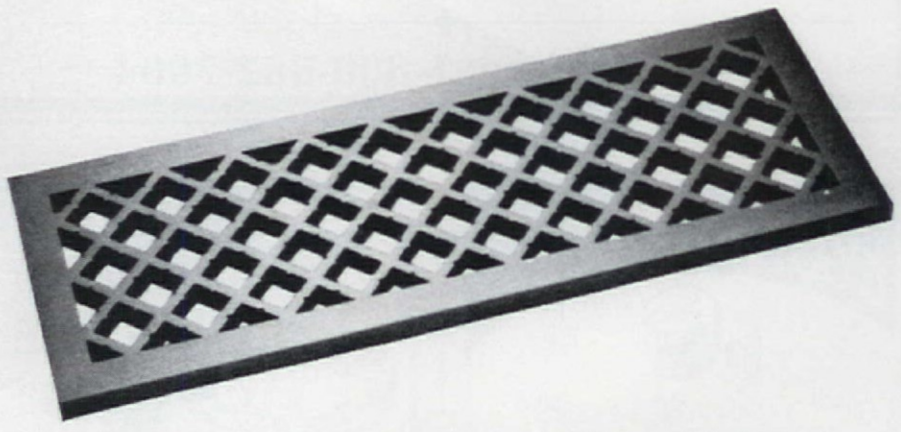


Custom and stock weathervanes represent only a fraction of the period-style architectural sheetmetal ornament from VULCAN SUPPLY CORP. *Write in No. 7212*

Along with the cupolas it manufactures, NEW CONCEPT LOUVERS also offers a line of copper weathervanes, which includes this "Whale" model. *Write in No. 1264*

D.C. MITCHELL hand-forges custom and reproduction period hardware. *Write in No. 2800*

COE STUDIOS fashioned a dozen cast-bronze cherubs for the entryway to a San Francisco office building. *Write in No. 850*



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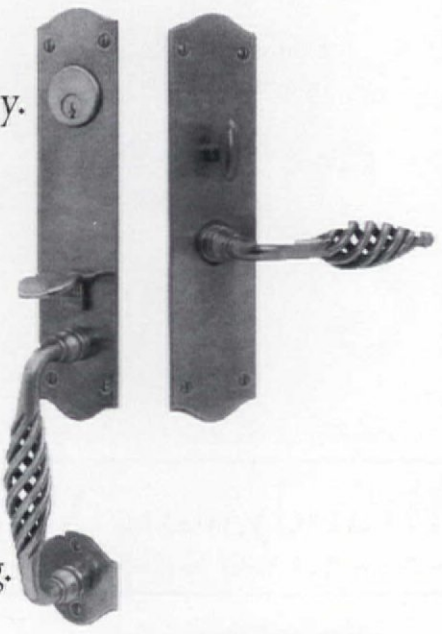

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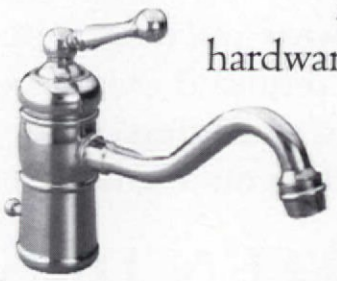

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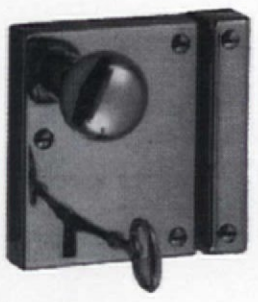

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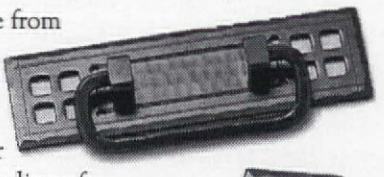

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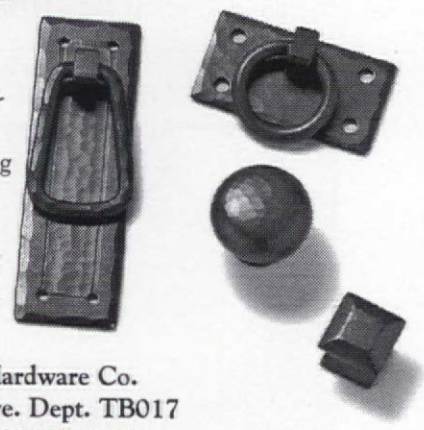

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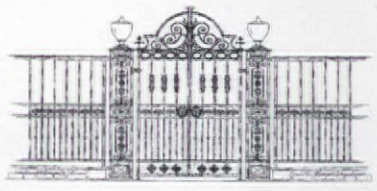

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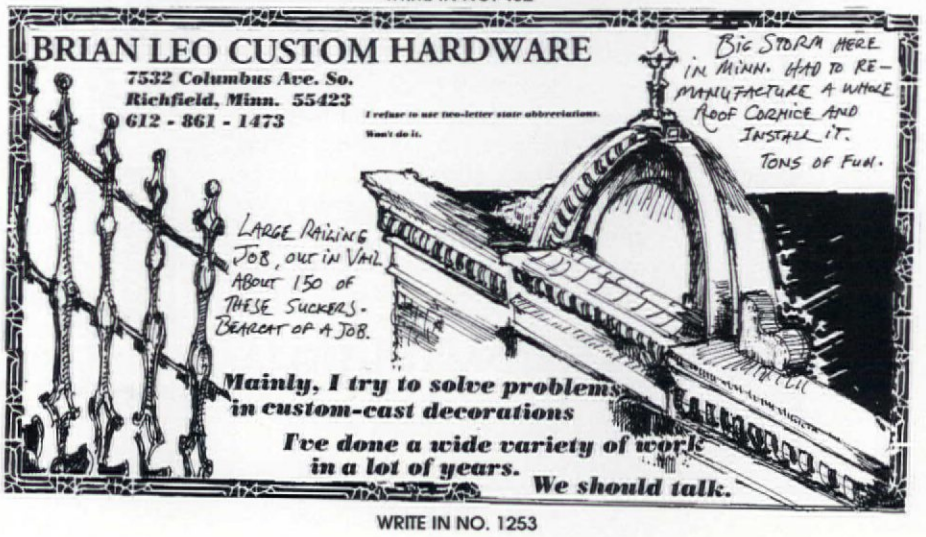

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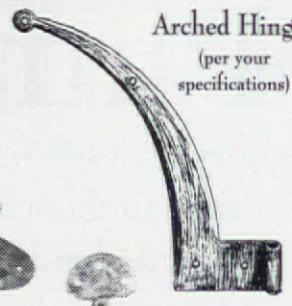

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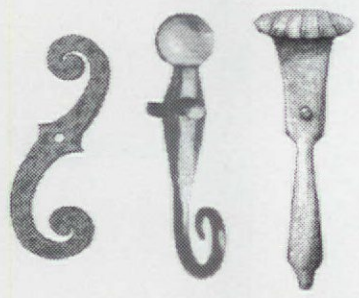

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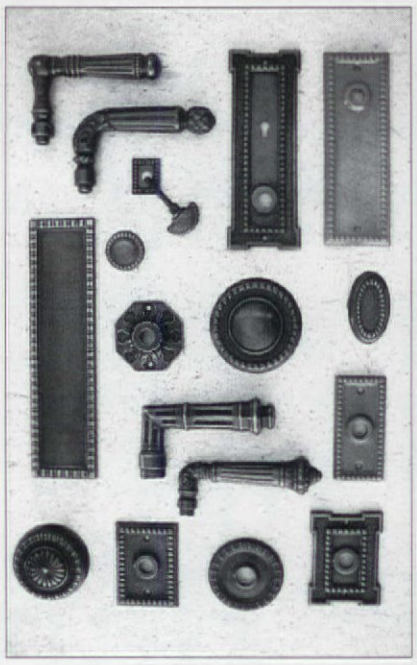

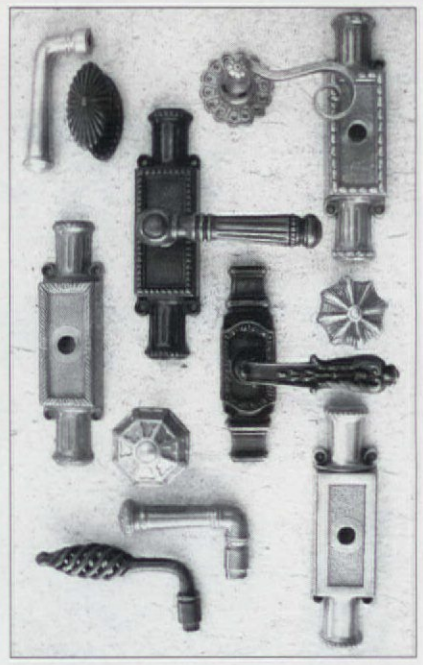

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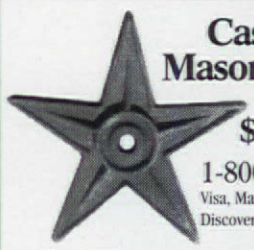

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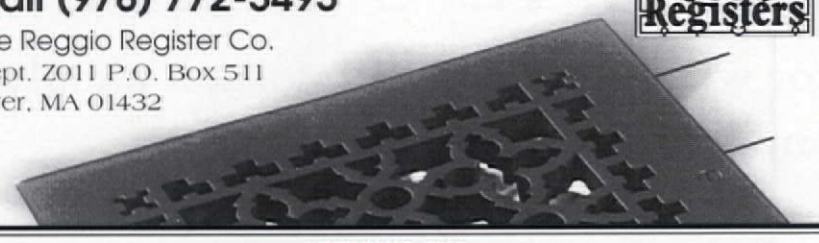

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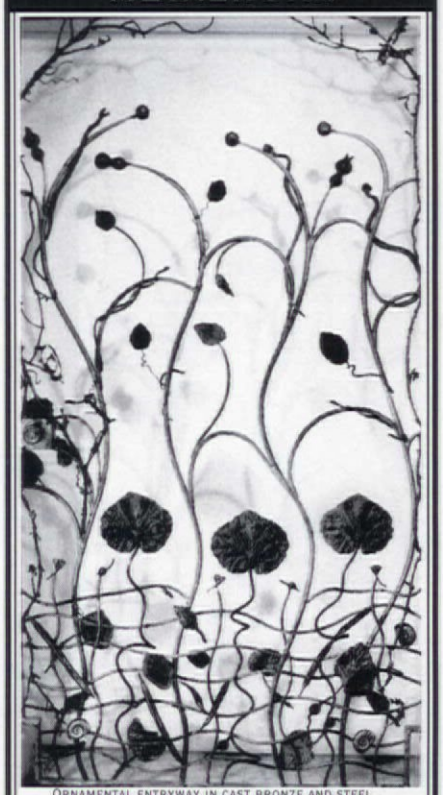

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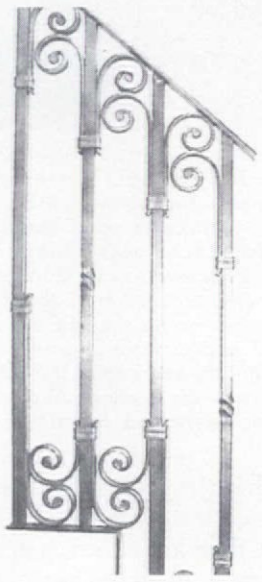

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Portfolio. 83

THE MONUMENTAL STAIR

Stairs perform a function (whether metal or wood), and they perform it simply. But behind that simplicity lies complex design and fabrication.

by Michael Carey

The modern stair, where elevators have not superseded it, is often hidden away in a stairwell or designed to consume the least possible amount of space, but this seeming triumph of function over form was not, and is not, always the case. *Traditional Building* investigated the use of the stair as architectural feature and found that the monumental stair, if not thriving, has found a sizable niche in a variety of commercial and public settings.

The Monumental Stair

The earliest stairs still standing are monumental; primarily serving an aesthetic, as well as a utilitarian, function. The great interior stairs at the Palace of King Minos in Knossos, Crete, for example, date from 1,600 B.C. and connect the four stories of the building in grand sweeping runs. The exterior stair at the Palace of Persepolis in modern-day Iran dates from 480 B.C. and features a double-ramp design which, in some ways, prefigures the great stairs of the centuries which followed (although the dimensions of the risers and treads suggest that the stairs were used by horses as often as humans).

While in early colonial North America the emphasis in stair design was overwhelmingly utilitarian, the post-revolutionary period brought a blossoming of public architecture, and with it opportunities for the deployment of monumental stairs. These were restricted, however, to only the grandest of public structures. Also, the subsequent periods of Classical, Romantic, and Eclectic styles meant a broadening of influences in architectural design and, consequently, a greater scope for the use of grand stairs (the stair in the entrance hall of the White House being a notable example of this influence).

With the industrial and economic booms of the last two centuries, the monumental stair found a niche in commercial structures as well as in grand homes and public buildings. Today, many of the finest examples of the stair as architectural feature are to be found in commercial and retail spaces.

Function and Style

By definition, a monumental stair represents the conspicuous consumption of interior space in a grand architectural gesture. When featured in an entry space, a commercial foyer or hotel lobby for instance, a monumental stair is used to emphasize the character of the interior as a whole, signifying entry into a luxurious or great space. As a transitional feature, a stair is in the position of making an architectural and stylistic statement about the space it occupies while also linking that space to another and saying something about what is to come.

This is certainly the case with a great stair in a department store or other retail space that links, for instance, a main floor with a mezzanine. It is common for high-end department stores to feature their most exclusive lines in a gallery, and what better way to link the gallery to the rest of the store than with a monumental stair?

The monumental stair can also make an appearance in unexpected places. Doug Adams, owner of Adams Stair Works & Carpentry, Inc., an Illinois-based design, consultancy, fabrication, and installation firm which works in hardwoods, has built a number of monumental stairs in banks, churches, and retirement homes. The retirement home projects, Adams says, sought to use the stairs in a very particular way. "The homes were mostly in the South," he says, "and the owner was trying to create an old-South feeling — a place which is more than just functional, with a touch of grandeur."

The distinctive railing system on the monumental stair of the Beverly Hills Hotel in Beverly Hills, Calif., was created in cast aluminum, with 24k gold leaf, by Historical Arts & Casting, Utah-based designers and manufacturers of traditional architectural cast-metal ornament. The balcony panels are 35-5/8 in. from post to post while the stair panels are 3 ft. Railing height varies from just under 27 in. to 3 ft. and the rail is 210 linear ft. The project's general contractor was responsible for the steel sleeves which form the structure of the stair, and the marble base which was built around the sleeves. Historical Arts & Casting fabricated the rail in sections which slid over the sleeves and were then attached.

This handsome cantilevered stair and solid-brass rail system was designed, fabricated, and installed by Big D Metalworks, Dallas-based fabricator of architectural and specialty metals, for the Sak's Fifth Avenue men's store in San Fransisco. Engineered and designed to meet the strict building and seismic codes of California, the project was completed in ten weeks. Coordination with other trades meant that the stair structure was being shipped as rail fabrication was just beginning, so the rails were built to fit a metal template of the stair and then shipped. The requirement that the rails display no visible welds meant that the flat rails and posts had to be machined to very tight tolerances, after precise rolling, and then mechanically attached to each other. This also meant that the sections of the railings had to be precisely fit so that the field joints would not be discernable. Another difficulty, overcome to great effect, was maintaining finish consistency on the rails, given the sizes of the finish pieces.

Seventy to eighty percent of Adams' work is on residential projects, many of which are grand homes in traditional styles, so the firm has a great deal of experience in creating such a feeling. This desire for a traditional feel has also carried over into some of Adams' work on bank and church projects, where the monumental stair, particularly in finished hardwoods, evokes the styles popular in the Southeast of the eighteenth and nineteenth centuries.

Design

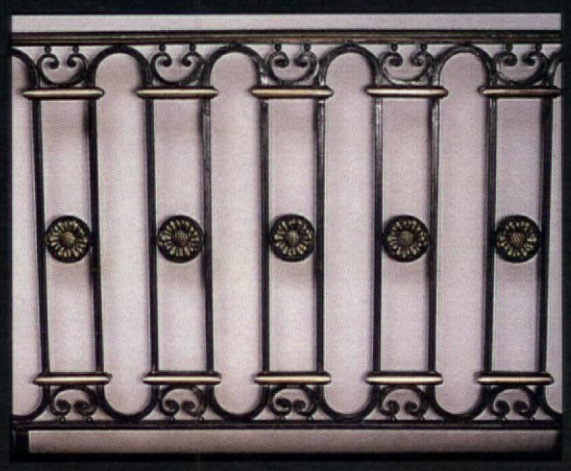
In both traditional and contemporary applications, current stair technology allows for an extensive design vocabulary. Common stair types include straight, flared, curved elliptical, and helical, and all of these basic designs may be built in a variety of ways; freestanding, self-supporting, and so on.

One thing that should be kept in mind is that, due to the monumental nature of a monumental stair, basic design will almost invariably be dictated by the lead architect. Yet, within these architectural strictures, an astonishing array of design options are still available.

Most stair manufacturers offer full design facilities as well as fabrication and installation capacity, and many firms specialize in specific styles and specific periods. There are also a number of firms that will customize designs in almost any conceivable way. Most commonly, however, a manufacturer will have a stock line of fittings, such as newels, railings, balusters, treads, and so on, which they will customize, to a greater or lesser extent, depending on the nature of the job and the client's wishes.

At the high-end, there are those firms that work only on completely custom projects. Such firms will, where possible, usually consult with the architect at the design stage and oversee the entire project.

continued on page 78



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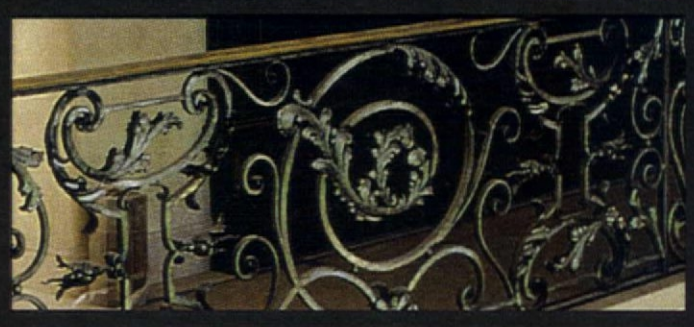

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MONUMENTAL STAIRS, continued from page 76

Materials

Monumental stairs in commercial settings are sometimes manufactured wholly in wood, sometimes wholly in metal, and, most often, in a combination or composite of these materials.

D.S. Nelson Co., specialists in the design and construction of commercial and residential stairs in wood, steel, aluminum, bronze, and curved glass, built this fine circular stair for a clothing retailer in New York City. Fabrication of the steel structural components was outsourced to a firm who worked from Nelson's templates, while the mahogany cladding and components were manufactured in Nelson's shop and installed in sections. The stair features a smooth and regular curve interrupted by landings, while the balusters and elegant box newels were hand-crafted.

While different materials are related to different styles and periods, wrought iron to the Spanish-Mediterranean style, for instance, or wood to certain strains of Classicism, stair technology now allows a great deal of scope in determining the finish a stair will have. The use of a steel structure beneath wood cladding, or the use of lightweight cast aluminum with an iron finish gives designers far more latitude with the kinds of stairs they are able to construct. From the traditional straight hardwood stair in monumental dimensions to an elaborate cantilevered, double elliptical, freestanding stair in iron, brass, and aluminum, stairbuilders are able to both accurately recreate period designs while expanding on the traditional design lexicon.

Adams Stair Works, Illinois-based wood stair specialists, designed, fabricated, and installed this sweeping painted poplar stair for the Harbor Village retirement center in Chicago, Ill. Adams worked with an existing steel substructure, an unusual circumstance for the firm. "We usually get involved at a very early stage of design," say Adams owner Douglas Adams. The stair railing was carved while the balusters and newels were chosen from Adams' extensive range of stock elements.

Monumental projects

There are three aspects to every monumental stair project; the structure, the body, and the finish. Consequently, a project is rarely completed in its entirety by a single firm. This is particularly the case with composite stairs. Finding a company capable of designing and fabricating a steel structure, wood cladding and decorative millwork, for example, is virtually impossible.

With this in mind, Doug Bracken, President of Wiemann Ironworks, a custom metalcrafter responsible for a number of monumental stair projects, suggests that the key to a successful job is for it to involve either a group of individual contractors who are familiar with projects of this type and are sympathetic to each other's requirements, or a single person overseeing the project. Bracken notes that while the latter is more common now, sixty years ago a level of expertise and experience with this kind of project existed across

Wiemann Ironworks, Tulsa-based specialists in the design, fabrication, and installation of fine quality custom metalcraft, won this year's National Ornamental & Miscellaneous Metals Association (NOMMA) gold medal in the category of Complete Stairs for this beautiful continuous-curving, cantilevered, double elliptical stair and balcony in a new St. Louis, Mo., building. Wiemann was resposible for the entire stair system, outsourcing the structural steel carriage and the hand- and machine-carved wood curb system, then designing, fabricating, and installing the decorative forged railings for both stair and balcony. The treads and risers are in marble and the woodwork has a faux-marble finish. The underside of the stair is plastered.

all aspects of design, fabrication, and construction, making the process smoother and the need for "unity from above" less urgent. "Coordination is the most important aspect," Bracken argues, "it is a process of bringing together structural elements, cladding, and decorative work where clarity of design is paramount."

Dale Nelson, President of D.S. Nelson Co., Rhode Island-based specialists in the construction and design of custom commercial and residential staircases using wood, steel, aluminum, bronze, and curved glass echoes these sentiments. "This kind of work is sometimes done in an extremely backward way," he says, "the structure is often not coordinated."

According to Nelson, there is a real problem with a monumental stair in composite materials. Where woodworking is a "soft" craft, he argues, ironworking is "hard" and less forgiving, meaning that the integration of the two in a stair project must be handled carefully. The smallest error in the fabrication of a steel supporting structure can have devastating effects for the project as a whole. "If wood is the final cladding, you should design from the wood in, not from the steel out," he concludes.

The stair has 90 linear feet of railing and the balcony rails are 60 feet. Horizontal bars are 1-1/2 in. x 1/2 in. solid, while the scrolls were forged from 3/8-in. x 3/4-in. bar. Forged acanthus leaves are incorporated into the pattern. The railing has a painted finish with 23K gold leaf applied to the leaves. A polished bronze caprail was used throughout. The real challenge with all changing-radius stairs is accommodating pitch changes, says Wiemann President Doug Bracken: "In any curving stair, every time the radius changes, the pitch changes too. If you don't apply design solutions for that in the beginning, the end result is a stair rail that appears choppy and angular. With this stair, we were able to conceal 8 pitch changes (4 on each side) within the wood curb system. While this was difficult, it kept the run of the stair smooth and graceful."

In their own practice, Nelson will generally receive a basic design from a project architect, from which they will draw up full-size working drawings. These are literally templates for the supporting structure and, if followed carefully, they will allow Nelson to clad and finish the stair smoothly and accurately.

A monumental stair is a monumental undertaking, but with the appropriate choice of design and materials, as well as careful coordination of the project, the outcome can be spectacular, as the examples we have gathered illustrate. ■

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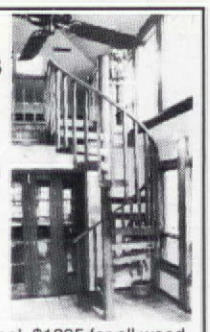

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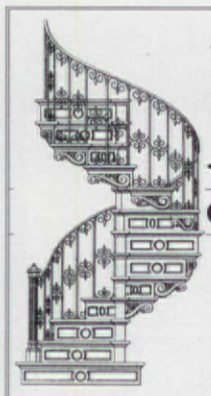

TRADITIONAL BUILDING'S METAL STAIRS & RAILINGS *SourceList*

CSI# 05510

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COMPANY	SPECIALTY	Literature	TYPES OF STAIRS & RAILINGS									Materials	% Custom
			Spiral	Curved	Straight	Monumental	Stair Parts	Treads	Balusters/Railings	Newel Posts	Other		
AJ Stairs, Inc. **800-4AJ-STAI; Fax: 732-905-8558** **www.ajstairs.com** **Lakewood, NJ 08701**	Manufacturer of all stair types in a variety of wood species; traditional and contemporary turnings and special millwork available. Also, metal spiral stairs made to order, shipped 'finish painted,' and easy to reassemble.	Free Write in No. 1060	✔				✔		✔			Iron, steel, aluminum, cast iron	85%
Architectural Iron Designs, Inc. **800-784-7444; Fax: 201-222-7767** **www.archirondesign.com** **Jersey City, NJ 07306**	Distributes a large selection of high-quality, hot-forged steel components for stairs, gates, fences, railings, balconies, grilles, furniture, and decorative accessories. Exclusive distributor for B. Rourke & Co.	Free					✔		✔	✔		Steel	5%
Artist in Iron **732-560-8199; Fax: Same as phone** **www.artistiniron.com** **Liberty Corner, NJ 07938**	Blacksmith artist specializes in the design and production of custom-forged bronze and wrought-iron masterpiece locks, hardware, accents, lighting, and architectural work; for high-end residential needs.	Free Call for more information							✔			Wrought iron, bronze	90%
Artistic Railings, Inc. **973-772-8540; Fax: 973-772-4395** **www.artisticrail.com** **Garfield, NJ 07026**	Custom designer and fabricator of ornamental metal products: railings, fences, gates, lamp posts, window flower boxes. Works in aluminum, bronze, iron. Specialty finishes from linseed oil to powder coatings. Blacksmith on staff.	Free Write in No. 3026	✔	✔	✔				✔	✔		Iron, bronze, aluminum, steel	80%
Big D Metalworks of Texas **800-299-9767; Fax: 214-638-2241** **www.bigdmetal.com** **Dallas, TX 75212**	Company designs, fabricates and installs a wide range of historic fences and gates, as well as other metal products.	Free	✔	✔	✔	✔		✔	✔	✔		Steel, stainless steel, bronze, aluminum	100%
Circle Redmont, Inc. **800-358-3888; Fax: 321-259-7237** **www.circleredmont.com** **Melbourne, FL 32940**	Structurally engineered frames of aluminum, steel, precast concrete, & cast iron, prefabricated & preglazed with glass block, glass pavers, glass bullets, or composite laminate glass. Walkable-surface glass skylights a specialty.	Free Write in No. 379	✔	✔	✔			✔			Cast-iron stair treads & risers	Iron, bronze, aluminum, steel	95%
City Iron **513-721-5678; Fax: 513-721-4282** **1410 W. 8th St.** **Cincinnati, OH 45203**	Source of hand-forged decorative railing and furnishings.	Free Write in No. 2645		✔	✔	✔			✔	✔		Iron, steel	100%
Couturier Iron Craft, Inc. **616-784-6780; Fax: 616-784-5077** **www.couturierironcraft.com** **Comstock Park, MI 49321**	Architectural stairways: curved, spiral, straight. Complete ornamental custom railing fabrication, which includes stainless steel, brass, aluminum, glass, and steel.	Free	✔	✔	✔	✔						Iron, bronze, aluminum, steel, stainless steel	100%
Crescent City Iron Supply, Inc. **800-535-9842; Fax: 708-345-6664** **www.crescentcityironsupply.com** **Westchester, IL 60154**	Supplies the ornamental-iron industry with a complete line of castings, gate hardware, locks, steel forgings, stampings, furniture & lamposts.	Free Write in No. 1222					✔	✔	✔	✔		Iron	5%
DeAngelis Iron Work **888-676-4766; Fax: 508-238-7757** **www.deangelisiron.com** **South Easton, MA 02375**	Custom full-service facility for the design, fabrication, and installation of all types of ornamental metalwork, including cast iron, wrought iron, bronze, brass, aluminum, stainless steel, etc.	Free	✔	✔	✔		✔	✔	✔	✔	Cast-iron stairs & rails	Iron, bronze, aluminum, cast iron	100%
Fine Architectural Metalsmiths **845-651-7550; Fax: 845-651-7857** **www.iceforge.com** **Chester, NY 10918**	Forged custom stair railings. Concept development, scaled shop prints, full metalworking capabilities & installation. Meticulous handwork, hot-forge work, & aged patinas. Restoration of historic pieces or new period-compatible architectural & home accessory metalworks.	Free Write in No. 2640		✔	✔	✔	✔					Iron, bronze, aluminum, steel	100%
Gaby's Shoppe **800-299-4229; Fax: 214-748-6644** **www.gabys.com** **Dallas, TX 75207**	Hand-crafted wrought-iron furniture, tables, chairs, chandeliers, floor and table lamps, drapery hardware, and balcony railing.	Free Write in No. 2520							✔			Wrought iron	30%
Goddard Mfg. Co. **785-689-4341; No Fax** **www.adnetmk.com/goddard** **Logan, KS 67646**	Custom-built spiral stairs for exterior or interior: all-wood, steel-wood combinations, or all-steel. Wholesale prices. Also, balusters, newels, and handrails.	Free Write in No. 4780	✔						✔			Wrought iron	100%
Historical Arts & Casting, Inc. **800-225-1414; Fax: 801-280-2493** **www.historicalarts.com** **West Jordan, UT 84088**	Designer and manufacturer of lighting, columns and capitals, cornices, railings, fences, newels, planters, finials, street furnishings, and fountains cast in bronze, aluminum, or iron. Restoration and custom work.	Free Write in No. 1210	✔	✔	✔	✔		✔	✔	✔		Iron, bronze, aluminum	100%
Indital, USA **800-772-4706; Fax: 713-694-2055** **www.indital.com** **Houston, TX 77018**	Over 8,500 Italian-designed architectural steel forgings: signature rosettes, intricately designed baroque leaves, spears, and a full array of pickets that can be fabricated to create staircases, partitions, fences, etc.	Free Write in No. 6560									Pickets	Steel	15%
King Architectural Metals **800-542-2379; Fax: 800-948-5558** **www.kingmetals.com** **Dallas, TX 75228**	Wholesale supplier of ornamental & architectural metal components for wrought-iron staircases, handrails, gates, fences, balustrades, furniture, mailboxes, doors, screens, awnings, fireplace screens. Also, aluminum lamp posts; urns.	Free Write in No. 418					✔		✔	✔		Wrought iron	0%
Koenig Iron Works **718-433-0900; Fax: 718-433-2607** **www.koenigironworks.com** **Long Island City, NY 11101**	Complete design, fabrication, and erection of custom stairs and railings. Stair specialties include railings, curved stringer, helix, spiral, monumental, and ornamental railings. Also, structural-steel fabrications of all kinds.	Free	✔	✔	✔	✔	✔		✔	✔		Iron, bronze, aluminum, steel	100%
Leonard Metal Art Works **800-522-4766; Fax: 888-699-9666** **619 Pennbrook Ave.** **Lansdale, PA 19446**	Custom-designed grand security gates made by European craftspersons; Classic, Baroque, French Provincial, Modern; forged wrought iron, bronze, stainless steel. Also, custom-made grand stairs & railings in any size, style, materials.	Free Write in No. 7610	✔	✔	✔	✔			✔			As specified	20%
Mison Concepts, Inc. **516-933-8000; Fax: 516-933-8002** **485-33 South Broadway** **Hicksville, NY 11801**	Custom architectural metal fabricator, traditional and contemporary; stairs, railings, furniture, facades, showrooms, marquees. Design, detailing, and specialty finishes.	Free Write in No. 2740	✔	✔	✔	✔			✔			Stainless steel, aluminum, bronze, steel, nickel silver	100%
Morgik Metal Designs **212-463-0304; Fax: 212-463-0329** **20 West 22nd St.** **New York, NY 10010**	Specialist in custom wrought-iron furniture, accessories, and drapery rods and hardware.	Free Write in No. 2689							✔			Wrought iron/steel, aluminum, bronze, brass, cast iron	100%
Naos Forge, Inc. **661-273-5851; Fax: 661-273-5852** **www.naosforge.com** **Palmdale, CA 93550**	Studio produces custom hand-forged furniture, lighting, and accessories.	Free Write in No. 2913					✔						90%

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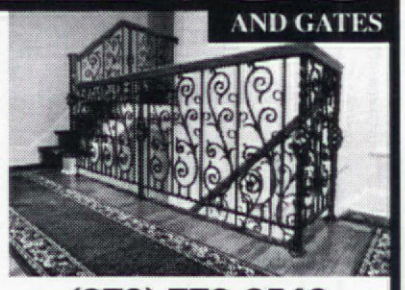

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TRADITIONAL BUILDING'S METAL STAIRS & RAILINGS *SourceList*

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COMPANY	SPECIALTY	Literature	TYPES OF STAIRS & RAILINGS: Spiral	Curved	Straight	Monumental	Stair Parts	Treads	Balusters/Railings	Newel Posts	Other	Materials	% Custom
New Star Brass & Bronze Works 718-443-0800; Fax: 718-443-0918 www.railingsbynewstar.com Brooklyn, NY 11237	Custom fabricates and installs metal railings for residential and commercial use. Stainless steel, hand-forged steel, aluminum, brass, and bronze. Wood and glass rails available.	Free Write in No. 3051	✔	✔	✔				✔		Custom work	Iron, bronze, aluminum, steel, brass, stainless steel, nickel silver	95%
North Shore Steel Co. 781-598-1645; Fax: 617-598-9700 P.O. Box 330 Lynn, MA 01905	Manufacturer of historic castings and reproductions; custom castings and forgings. Specialist in stairs and railing systems fabricated from drawings.	Free	✔	✔	✔	✔	✔	✔	✔	✔		Iron, bronze, aluminum, steel	90%
Old World Iron, Inc. 972-484-9926; Fax: 972-484-9758 www.oldworldiron.com Dallas, TX 75229	Custom hand-forged wrought-iron stair railings, balconies, doors, and gates. Firm will pre-measure, deliver, install, or ship FOB Dallas.	Free Write in No. 332							✔			Wrought iron	99%
Ornamental Metal Institute of N.Y. 212-697-5553; Fax: 212-818-0976 211 E. 43rd St. New York, NY 10017	Consultations, literature, and seminars on the design and use of architectural and ornamental metals to construction professionals; associated services provided free of charge.	Free Write in No. 5430									Consulting, seminars		100%
Ornamental Steel Designs, Inc. 931-552-0365; Fax: 931-645-9656 www.osdsteel.com Clarksville, TN 37040	Museum-quality line of railings, gates, furniture, and accent pieces for interior and exterior use. Custom work a specialty. Furnishes ornamental parts for fabrication.	Free Write in No. 2793							✔			Steel	100%
Steptoe & Wife Antiques, Ltd. 800-461-0060; Fax: 416-780-1814 www.steptoewife.com Toronto, ON, CANADA M6B 1V9	Victorian-style cast-iron spiral & straight staircases & railings; commercial/residential, interior/exterior; finials; custom & stock components; gates & railings to order; brass, bronze, aluminum, stainless. Also, drapery hardware.	Free Write in No. 470	✔		✔			✔	✔	✔		Iron, bronze, aluminum, steel, brass	50%
Summit Steel Fabricators, Inc. 713-451-6960; Fax: 713-451-6779 2004 Federal Road Houston, TX 77015	Source of fences and gates, stairs and rails fabricated in steel.	Free	✔	✔	✔	✔	✔	✔	✔	✔		Steel	100%
Tennessee Fabricating Co. 901-725-1548; Fax: 901-725-5954 www.tnfab.com Memphis, TN 38104	Wholesale supplier of cast and forged ornamental metal railing components and hardware.	Free Write in No. 5180					✔			✔		Iron, steel, aluminum	5%
Texas Metal Industries, Inc. 800-222-6033; Fax: 800-472-3807 www.txmetal.com Crandall, TX 75114	Ornamental aluminum castings: outdoor furniture and lighting, gate and fence components, mailboxes, hardware, finials, and balustrades. Also, cast-aluminum fountains, lamp posts, and urns.	Free Write in No. 9430					✔		✔	✔		Aluminum, cast iron, forged steel	10%
Wiemann Ironworks 918-592-1700; Fax: 918-592-2385 www.wiemanniron.com Tulsa, OK 74104	Since 1940, firm designs, fabricates, and installs fine forged architectural and ornamental metalwork for a national market. Residential and commercial. Custom finishes. CAD services. NOMMA's most award-winning metal fabricator.	Free Write in No. 1223		✔	✔	✔				✔		Iron, bronze, aluminum, steel	90%
Zephyr Southwest Ornamental, LLC 918-251-4822; Fax: 918-251-4208 600 South Tenth Broken Arrow, OK 74012	Custom fabricators of monumental stairs, associated handrail systems, column covers, and fascia trims. Total capabilites, from product fabrication to complete turnkey projects. Commercial and residential applications.	Free		✔	✔	✔			✔	✔			100%

RESTORATION & RENOVATION Focuses on Commercial Redevelopment, Revitalization, and International Trade Opportunities with its Largest, Most Comprehensive Conference Ever

Now entering its eighth year, the RESTORATION & RENOVATION Exhibition and Conference, which will be held January 14-17, 2001 at the Washington D.C. Hilton & Towers Hotel, has matured significantly in its coverage of the non-residential components of the building industries. Visitors to this upcoming event will be treated to the most extensive conference program ever — with seventy nine seminars, workshops and 90-minute presentations from which to choose — including an outstanding line-up of keynote speakers to kick off the program each of the three show days (keynote sessions are free-of-charge to all R&R attendees).

The high quality of the R&R conference has been recognized by a number of professional associations that have endorsed the program for continuing-education credits to their members. They are: American Institute of Architects (AIA), American Society of Landscape Architects (ASLA), American Society of Interior Designers (ASID), American Planning Association (APA), National Kitchen & Bath Association (NKBA), International Interior Design Association (IIDA), and the American Institute of Constructors (AIC).

Real Estate and Preservation Communities Converging

The real estate community has displayed a tremendous surge of interest in the 20% Federal Historic Preservation Investment Tax Credits for income-producing properties. Consequently, the National Park Service reported some $2.3 billion in private investment in 1999 for 973 of these projects. NPS reports that currently more than 200,000 buildings are eligible and that 30,000 more are being added to this roster each year — either because they are on the National Register of Historic Places or because they are located in officially designated historic districts. Numerous tax-credit and tax-abatement programs on the state and local level by governments eager to conserve open space and revitalize communities by promoting the re-use of existing buildings has also contributed to this soaring interest in redevelopment.

Developers, planners and preservationists are also partnering in their efforts to create more "livable communities" and to service the demand of a growing number of commercial enterprises and private residents seeking to locate in traditional urban centers. Even as suburbia continues to thrive, our nation's cities are undergoing a rebirth.

R&R has evolved to keep pace with this growing interest in redevelopment and economic revitalization through historic renovation and adaptive re-use. While over 60% of R&R exhibitors carry product lines for both the residential and non-residential market segments, suppliers servicing the commercial/public/institutional building market exclusively are the fastest growing part of the show. Similarly, visitors to the upcoming R&R 2001 conference will find major coverage of these issues throughout the entire program. The conference itself has been restructured. In addition to well-established conference tracks on Building Restoration, Materials & Media, and Interior Design, several new tracks have been created. They include: Planning, Finance & Business; Safety, Ethics & the Environment, Landscapes & Streetscapes; and High-Tech in Restoration.

Case studies will be presented on the Times Square/42nd Street Project, the Renovation of New York City's Public Schools, and the Restoration of the Washington Monument. Presentations will focus on infrastructure upgrades and 21st-c. technology retrofit in historic buildings, creative code compliance, cyclical maintenance programs, the use of new/substitute materials, main street revitalization, affordable housing through building re-use, and planning and tax incentives for major restoration projects. A full complement of technical, "how-to" sessions round out the program on everything from moldmaking to historic masonry, stone cleaning and restoration, decorative painting, plastering, lighting historic buildings, historic paints, wallpapers and roofs, neoclassical interiors, and more.

Three Free Keynote Addresses by Outstanding Speakers

The overall theme of "The Economic Power of Restoration" will also be the subject of the opening-day keynote address, introduced by Richard Moe, President of the National Trust for Historic Preservation, and delivered by Donovan Rypkema, noted economist and expert on the subject of economic revitalization through preservation. Another keynote on "Historic Interiors: Adventures in the Authentick," sponsored by *Traditional Building* and introduced by its publisher, Clem Labine, will be given by William Seale, former White House Historian and former Curator of the Smithsonian.

A third keynote is certain to attract professionals interested in the international arena. John Gilderbloom, Professor of Urban Affairs at the University of Louisville, will give a slide presentation on "Cuba: Architecture, Preservation and 500 Years of History." Historic preservation is now the number one industry in Cuba. While most of the investments into Cuba to restore its rich architectural history presently come from Europe, many Americans eagerly anticipate the lifting of the embargo and re-establishment of normalized trade relations with Cuba, which is likely to become a major cultural tourism destination of the 21st century. As a tie-in to the keynote on Cuba, non-profit organization CUBANOW.ORG has donated two preservation study tours to R&R, to be awarded as prizes during the show. Anyone registering for the full R&R 2001 conference by December 15 will be eligible to win.

Internationalization of R&R

Wishing to provide a platform for international exchange, the organizers of RESTORATION & RENOVATION — EGI Exhibitions — have initiated programs that will facilitate cross-border trade. For several years, EGI has had a cross-marketing agreement with Leipziger Messe, a major German exhibition facility and producer of denkmal, the European counterpart to R&R. For the first time at denkmal 2000 (October 25-28), EGI organized a U.S. pavilion. Several R&R exhibitors, including Traditional Building, participated in the pavilion, either directly or through EGI as its representative. The purpose of the U.S. participation was twofold: to solicit inquiries from potential European distributors and business partners for the U.S. companies and to promote RESTORATION & RENOVATION to potential European attendees and exhibitors.

In collaboration with Berlin-based German-North American Society, EGI is promoting a special tour from Germany for architects, designers, and preservation professionals to R&R 2001 in Washington D.C. Contacts made during denkmal 2000 will result in German exhibitor participation at R&R 2001, as well as a strong visitor delegation. Germany will be joined at R&R 2001 by participants from other countries, including Mexico, Canada, Russia, Pakistan, China, France, Morocco and the UK.

The first International Business Reception will be held at R&R 2001, which will allow companies looking for international expansion opportunities to network with one another in an informal setting. The objective is to provide non-U.S. exhibitors at R&R an opportunity to meet with potential American business partners and, conversely, to enable U.S. exhibitors interested in export to identify offshore distributor candidates for their products. Further information is available through Steven Schuyler at EGI, 800.982.6247 or 978.664.6455, x 18 or on-site at the show.

General information and registration materials for R&R are available at **www.restorationandrenovation.com**, email **show@egiexhib.com**, tel **800. 982. 6247** or **978.664.8066**. fax **978.664. 5822**.

METAL STAIRS PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 80-82.

NAOS FORGE specializes in producing ornate custom fabrications, such as this foliate-themed railing. *Write in No. 2915*

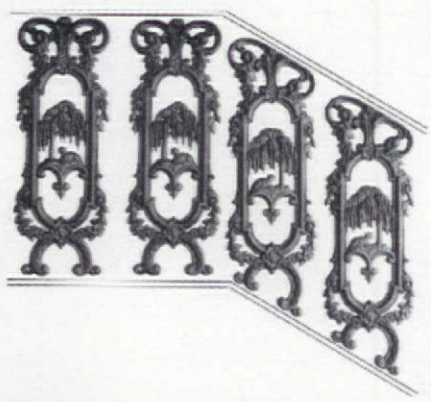
The handsome sculptural design of the metal railing fabricated for this stairway by HISTORICAL ARTS & CASTING is a perfect complement to the potted tree and plants which are part of the decor. *Write in No. 1210*

European-made metal stairs and railings — such as the "Schweres Barock" banister shown here — can be obtained directly from LEONARD METAL ART WORKS. *Write in No. 7610*

Fabricating stylish and detailed metal stair railings is a specialty of ARTISTIC RAILINGS. *Write in No. 3026*

This detail of 24k-gold-plated leaves and the complexity of the hand-forged iron pattern from OLD WORLD IRON, INC. reveals the attention to custom design and the difference of handmade products. *Write in No. 552*

For the Mercantile Library in Cincinnati, Ohio, CITY IRON fabricated this historical-railing adaptation, complete with hammered logo. *Write in No. 2645*



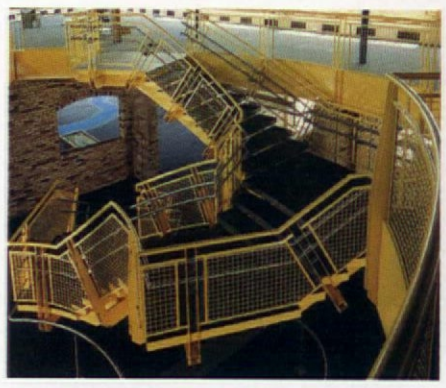
These 11-in.-wide cast-metal stair-railing panels from TENNESSEE FABRICATING are available with a flat top (#3088, 29 in. tall) or beveled top (#3089, 31-1/2 in. tall). *Write in No. 5180*

NEW STAR BRASS & BRONZE fabricates and installs railings in various metals for interior and exterior applications. *Write in No. 3051*

WIEMANN IRONWORKS custom-made the eye-catching, rope-styled railing for the stairs in Del Frisco's Restaurant in New York City's Rockefeller Center — and extended that motif into other items such as the lamps on the bar and even the bar rails (not shown). *Write in No. 1223*

STEPTOE & WIFE incorporated stock casting into a multi-level commercial railing system: a large and complex job, seen here only in detail. *Write in No. 470*

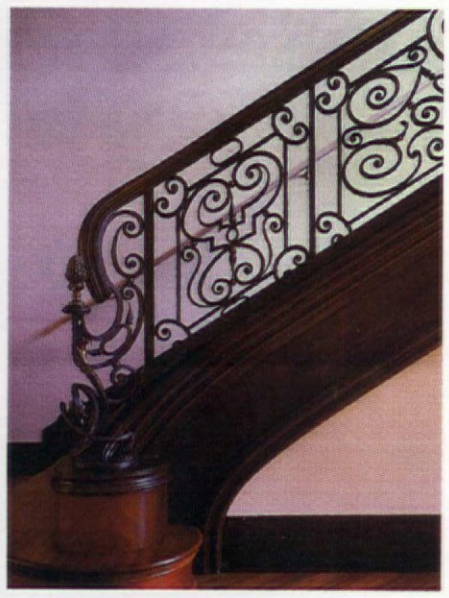
These classic cast-iron railings were fabricated by NORTH SHORE STEEL CO.



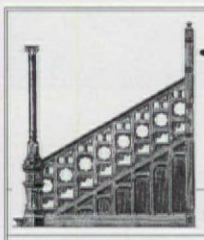
COUTURIER IRON CRAFT fabricated this monumental curved stair with cantilevered treads, open risers with ornamental wire guardrail, and stainless-steel handrails for the Children's Museum in Grand Rapids, Mich. The angular stair system is whimsical while following safety codes for a public building of its type.

FINE ARCHITECTURAL METALSMITHS forged 80 ft. of radius stair rails, plus balconies and assorted landings, from 3/8-in.-x-3/4-in. stock. The leaves and rosettes are patinated antique gold; the top trail is satin-polished architectural bronze. *Write in No. 2640*

GODDARD MFG. will custom design and hand-craft spiral staircases to fit almost any opening. *Write in No. 4780*



KOENIG IRON WORKS designed this grand staircase, and used hand-textured and riveted ironwork construction and handmade repousse leaves of bronze sheet.



TRADITIONAL BUILDING'S WOOD STAIRS & PARTS *SourceList*

CSI# 06430

COMPILED BY COLE GAGNE

COMPANY	SPECIALTY	Literature	TYPES OF STAIRS					STAIR PARTS						% Custom
			Straight	Curved/Circular	Spiral	Monumental	Other	Rails	Balusters/Spindles	Newel Posts	Custom Turnings	Kits	Wood Species	
Acorn Stair & Woodwork 636-332-9499; Fax: 636-332-9518 120 Route A, #1 Wentzville, MO 63385	Builders of wood stairs.	Free	✔	✔	✔		As specified	✔	✔	✔	✔	✔	As specified	85%
Adams Stair Works & Carpentry, Inc. 847-223-1177; Fax: 847-223-1188 www.adamsstair.com Grayslake, IL 60030	Custom stair parts and turnings; custom stair kits; circular, spiral, and straight stairs. Pre-fab or K.D. available. Installation available. Also, custom libraries, mantels, wainscoting, ceiling beams, and built-ins.	Free	✔	✔	✔			✔	✔	✔	✔	✔	Oak, poplar, cherry, birch, hickory, maple, mahogany, walnut	95%
AJ Stairs, Inc. 800-4AJ-STAI; Fax: 732-905-8558 www.ajstairs.com Lakewood, NJ 08701	Manufacturer of all stair types in a variety of wood species; traditional and contemporary turnings and special millwork available. Also, metal spiral stairs made to order, shipped 'finish painted,' and easy to reassemble.	Free Write in No. 1060	✔	✔	✔	✔	One-piece angled winder stairs	✔	✔	✔	✔		Oak, poplar, cherry, mahogany, maple, pine, teak, walnut, others	85%
Architectural Stairbuilding 607-547-5863; Fax: Same as phone www.jamesrdean.com Cooperstown, NY 13326	Specialist in the design, fabrication, and installation of curved handrail from blocks of wood in the traditional method.	Free Write in No. 2639	✔	✔				✔	✔	✔	✔		As specified	100%
B-H Woodturning, Ltd. 604-540-6232; Fax: 604-540-6101 www.canadex.com/bhwood/ Delta, BC, CANADA V3M 5R1	Manufacturer of pre-fabricated and modular straight, curved, and spiral staircases. Supplier of newel posts, balusters, handrails, and all corresponding components, using a variety of hardwoods along with coastal hemlock.	Free	✔	✔	✔			✔	✔	✔	✔		Hemlock, red oak, Eastern maple, cedar	30%
Cumberland Woodcraft Co. 800-367-1884; Fax: 717-243-6502 www.cumberlandwoodcraft.com Carlisle, PA 17013	Architectural & period millwork, fixtures, & decorative treatments. Commercial projects from ornate bars to libraries & entertainment centers. Also, rails, balustrades, & turnings; custom stair capabilities; stair-tread accents.	Free Write in No. 1310	✔	✔				✔	✔		✔		Mahogany, oak, walnut, cherry	50%
Danbury Stairs Corp. 203-743-5567; Fax: 203-790-5322 15 Trowbridge Dr. Bethel, CT 06801	Source of wood stairs.	Free Write in No. 2649	✔	✔				✔	✔	✔			Oak, poplar, pine	30%
Deer Park Stairbuilding & Millwork 631-363-5000; Fax: 631-363-2167 51 Kennedy Avenue Blue Point, NY 11715	Custom design capabilities in straight, curved, circular, and spiral stairs.	Free Write in No. 1107	✔	✔	✔			✔	✔	✔	✔	✔	Oak, poplar, cherry, mahogany, maple, pine, antique pine, walnut, ash	100%
Enkeboll Designs 310-532-1400; Fax: 310-532-2042 www.enkeboll.com Carson, CA 90746	Extensive array of architectural elements carved in solid woods: moldings, columns, capitals, newels, corbels, onlays, panels; available in maple, red oak, or cherry. Catalog set $20, refundable with order.	Free Write in No. 5770						✔	✔	✔			Maple, red oak	0%
Goddard Mfg. Co. 785-689-4341; No Fax www.adnetmk.com/goddard Logan, KS 67646	Custom-built spiral stairs for exterior or interior: all-wood, steel-wood combinations, or all-steel. Wholesale prices. Also, balusters, newels, and handrails.	Free Write in No. 4780		✔	✔			✔	✔	✔			Pine, oak	100%
Goodwin Heart Pine Co. 800-336-3118; Fax: 352-466-0608 www.heartpine.com Micanopy, FL 32667	Recovered logs and timber products for use in flooring, stair parts, & architectural millwork. The firm also founded the Association for the Restoration of Longleaf Pine in 1992 to support reforestation.	Free Write in No. 1330						✔	✔	✔			Antique wood	100%
Harvey Millwork, Inc. 410-822-7689; Fax: 410-745-9926 www.harveymillwork.com Bozman, MD 21612	Specialist in longleaf heart pine, three species available, native and imported. Custom flooring, doors, molding, paneling, vents/registers, mantels, trim, and stair parts; shipping worldwide.	Free Write in No. 3460						✔	✔	✔			Longleaf heart pine	100%
Inclinator Co. of America 717-234-8065; Fax: 717-234-0941 www.inclinator.com Harrisburg, PA 17105	Manufacturers (for 70 yrs.) of residence elevators (drum or hydraulic), stairway lifts, wheelchair lifts, and dumbwaiters. Custom cars and finishes. Installed on wood or metal stairs.	Free Write in No. 9980												70%
JMS Wood Products 818-709-8674; Fax: 818-709-8683 8825 Shirley Ave. Northridge, CA 91324	Rope mouldings from 3/8- to 3-in. dia.; rope columns from 4- to 24-in. dia. Any lengths, any size, any species. Rope, fluted, and twist designs can be accommodated to furniture or stairs. Plinth blocks for door surrounds.	Free Write in No. 6320							✔	✔	✔		Hard maple, red oak, & others	100%
Kirkwood Stair Co. 636-271-4002; Fax: 636-271-4098 50 Midwest Drive Pacific, MO 63069	Residential and commercial wood stairs. All parts made in their plant; standard, custom, and circular stairs. Installation also available.	Free	✔	✔	✔	✔		✔	✔	✔	✔		Yellow pine, oak, poplar, cherry, maple	50%
Klitsas, Dimitrios — Fine Wood Sculptor 413-566-5301; Fax: 413-566-5307 www.klitsas.com Hampden, MA 01036	Custom carving of wood architectural elements, both interior and exterior, including furniture (all periods), fireplace mantels, stairs, chandeliers, moldings, and other specialty carvings.	Free Write in No. 7380								✔			As specified	100%
L.J. Smith, Inc. 740-269-2221; Fax: 740-269-9047 www.ljsmith.net Bowerston, OH 44695	Quality interior stair parts: 25 wood baluster styles, 39 newel styles, 24 handrail profiles. Also, 32 styles of ornamental iron balusters. Patented line of handrail fittings to strengthen stair-balustrade installations.	Free	✔					✔	✔	✔			Oak, birch, poplar, cherry, hemlock	5%
LP Stairs & Rails, Inc. 516-785-6909; Fax: 516-785-6919 2559 N. Jerusalem Rd. East Meadow, NY 11554	Manufacturer of custom wood stairs and rails.	Free	✔	✔	✔			✔	✔	✔	✔		As specified	100%
Mohamad Wood Turning Co. 718-417-0025; Fax: 718-417-0021 28 Meadow St. Brooklyn, NY 11206	Specializes in custom wood spirals, turnings, balusters, and columns in all classical styles; load-bearing for interior or exterior use. Can furnish fluting, reeding, rope twists, and custom carving. Fractional columns available.	Free Write in No. 50									✔			100%
Mountain Lumber Co. 800-445-2671; Fax: 804-985-4105 www.mountainlumber.com Ruckersville, VA 22968	100% reclaimed antique woods rescued from 18th- and 19th-century factories, mills, rural buildings, and maritime structures. All material kiln-dried in own kilns, pre-squared, and available prefinished.	Free Write in No. 7140	✔					✔	✔	✔	✔		Antique wood, longleaf heart pine, American oak & chestnut, "Tidewater" pine & cypress	80%
Nelson Co. 401-267-1000; Fax: 401-295-4756 www.dsnelson.com North Kingstown, RI 02852	Specialist in the construction and design of custom curved wood staircases, using best grade of hardwood sold. One-of-a-kind projects.	Free		✔		✔		✔	✔	✔	✔		Mahogany, poplar, red oak	100%
New England Woodturners 860-388-1943; Fax: Same as phone www.newenglandwoodturners.com Old Saybrook, CT 06475	Hand-crafted balusters and newels for stairbuilding; rope and barley twist, fluting and reeding. Any wood available. Porch or interior stair.	Free							✔	✔	✔		As specified	100%
Passaic Millwork 973-772-9013; Fax: 973-458-0431 www.resources.cmgnews.com Passaic, NJ 07055	Custom circular, elliptic, spiral, curved, & straight stairs, rails, & parts; columns, moldings, radius work, turnings, & fluting; clear & finger-joint pine moldings in stock; also, poplar & oak & MDF hand-carvings.	Free Write in No. 3340	✔	✔	✔		Elliptical	✔	✔	✔	✔		Poplar, oak, & others	75%
Staircase & Millwork Corp. 770-664-6664; Fax: 770-664-6185 www.mrstair.com Alpharetta, GA 30004	Complete capability for producing custom or stock circular and spiral stairs ranging from $2,000-$200,000. All species of wood. Separate stair components available.	Free Write in No. 947		✔	✔	✔	Elliptical	✔	✔	✔	✔		Red oak, soft maple, cherry, mahogany, custom	80%

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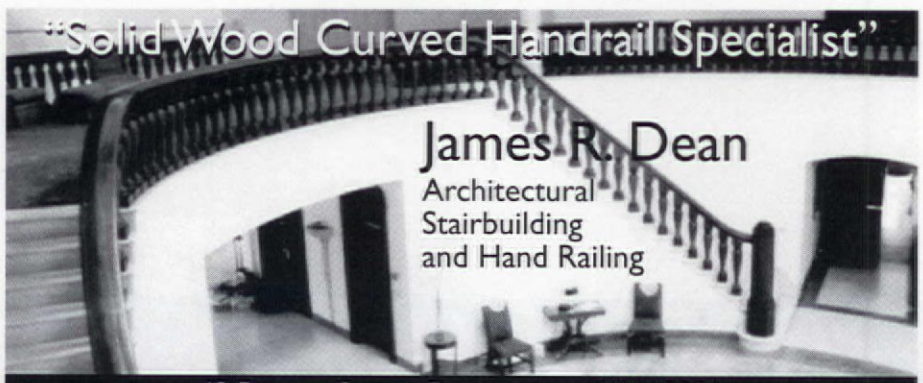

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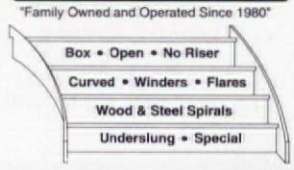

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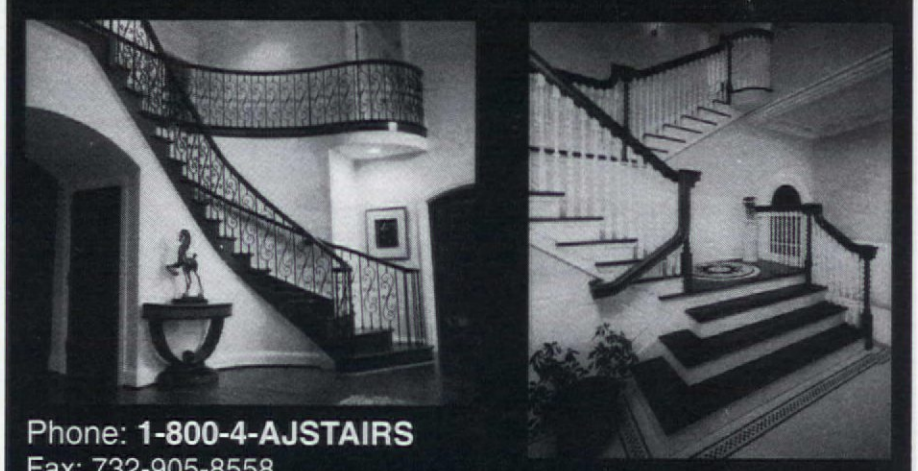

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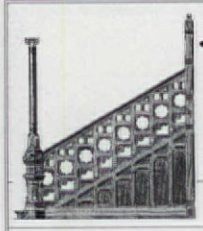


TRADITIONAL BUILDING'S WOOD STAIRS & PARTS *SourceList*

CSI# 06430

COMPILED BY COLE GAGNE

COMPANY	SPECIALTY	Literature	TYPES OF STAIRS					STAIR PARTS						% Custom
			Straight	Curved/Circular	Spiral	Monumental	Other	Rails	Balusters/Spindles	Newel Posts	Custom Turnings	Kits	Wood Species	
Sterling Staircase & Handrail 802-253-6339; Fax: 802-253-7652 P.O. Box 420 Stowe, VT 05672	Custom staircases, handrails, newels, and fittings; design through fabrication to installation. Continuous curved handrails a specialty. Carvings and turnings up to 9 ft. long and 3 ft. dia. Will ship to and install anywhere.	Free Write in No. 547	✔	✔	✔			✔	✔	✔	✔		As specified	100%
Superior Moulding, Inc. 800-473-1415; Fax: 818-376-1314 5953 Sepulveda Blvd. Van Nuys, CA 91411	Array of standard and non-standard moldings and related finish materials in any size, style, shape, and species; short turnaround times.	Free Write in No. 138						✔	✔	✔	✔		As specified	55%
The Woods Company 717-263-6524; Fax: 717-263-9346 www.thewoodscompany.com Chambersburg, PA 17201	Wide-plank flooring from new woods & remilled antique woods (heart pine, oak, chestnut, white pine); brush-textured flooring; stair parts; antique beams; floor decking; exposed-beam ceiling & joist systems; antique foundation stone.	Free Write in No. 5600						✔	✔	✔			White pine, oak, & others	75%
United Rockland Stairs 845-357-1900; Fax: 845-357-8348 No. Airmont Rd., Box 68 Tallman, NY 10982	Third-generation stairbuilders. Production and custom, straight, circular & spiral wood stairs. Separate stair components, including balusters, newel posts, handrails, treads, false tread and risers, and stair brackets.	Free	✔	✔	✔	✔		✔	✔	✔				90%
Vintage Woodworks 903-356-2158; Fax: 903-356-3023 www.vintagewoodworks.com Quinlan, TX 75474	Extensive selection of wood porch parts, including turned posts, turned and sawn balusters, railings, brackets, corbels, custom-length spandrels, and more. 224-page Master Reference Catalog; 208-page Porch Design Book.	Free Write in No. 1061						✔	✔	✔	✔		Oak, beech, & others	20%
Wood Factory 936-825-7233; Fax: 936-825-1791 111 Railroad Street Navasota, TX 77868	Historically accurate millwork reproductions, interior & exterior: doors, screen doors, benches, stair parts, railings, porch parts, custom-turned column bases, newels, more. Specialist in custom matching existing parts.	Free Write in No. 7120	✔					✔	✔	✔	✔		As specified	90%
Woodline Co. 562-436-3771; Fax: 562-436-8891 1521 W. 14th St. Long Beach, CA 90813	Architectural wood products: wood carvings and corbels, stair parts, finials, balusters, newels, rosettes, columns, capitals, and posts. All made in oak, poplar, and alder; special orders in other species available.	Free Write in No. 5240						✔	✔	✔			Oak, poplar, alder	50%

WOOD STAIRS PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 84-86.

This grand stair rail from ARCHITECTURAL STAIRBUILDING & HANDRAILING showcases the firm's specialty: fabricating curved handrails from solid blocks of wood. *Write in No. 2639*

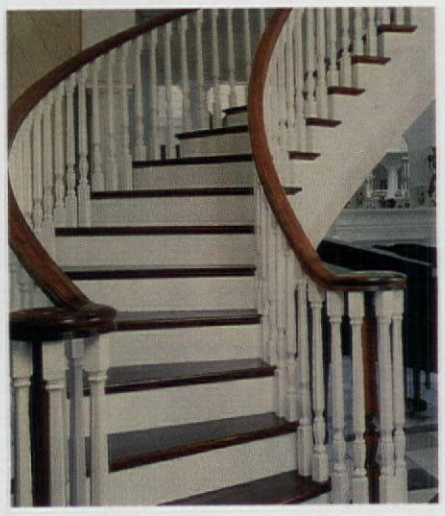
Hand-carved and turned balusters in an array of designs can always be obtained from MOHAMAD WOODTURNING. *Write in No. 50*

DEER PARK STAIRBUILDING produces stock and custom wood stairs in a variety of wood species. *Write in No. 1107*

As this solid-mahogany rail demonstrates, STERLING STAIRCASE & HANDRAIL can design and fabricate handrails to fit any configuration. *Write in No. 547*

A handsome stairway can easily be assembled from the stock newels, handrails, and balusters offered by SUPERIOR MOULDING. *Write in No. 138*

The wealth of architectural millwork available from CUMBERLAND WOODCRAFT includes numerous stair parts, such as stair-tread brackets (shown, #CTBL) and balusters (shown, #C5221 Twist). *Write in No. 1310*



This white oak staircase was built with elements selected from the online catalog of STAIRCASE & MILLWORK CORP. *Write in No. 947*

SourceList 88-90
Portfolio..... 87

PUTTING OLD WOOD TO WORK

An old wooden structure can wake up to a new life as flooring, beams, siding, woodwork, or even furniture when an antique wooden structure has its lumber harvested and recycled, rather than consigned to a bonfire. The new old-wood products that can be created enjoy a special patina and durability, as well as a resistance to decay and insects, all of which surpass contemporary lumber. Moreover, they bring a special link to the past: No matter how old any new-wood item might look, it can never have the historical resonance of a material that actually dates from the 19th or early-20th centuries. The market for recycled wood has become increasingly ramified, as the *SourceList* starting on p. 88 demonstrates: these companies offer an excellent cross-section of the current options.

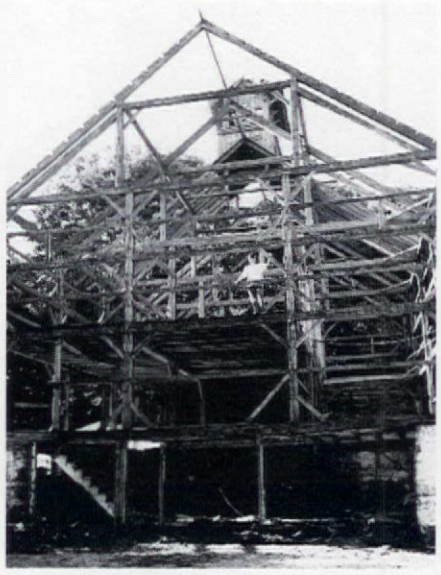
ANTIQUE & RECYCLED WOOD PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 88-90.

When ANTIQUE WOODS & COLONIAL RESTORATION dismantled and rebuilt this log building in West Chester, Pa., they used an old cow feeder rack for the railing on the front porch. *Write in No. 101*

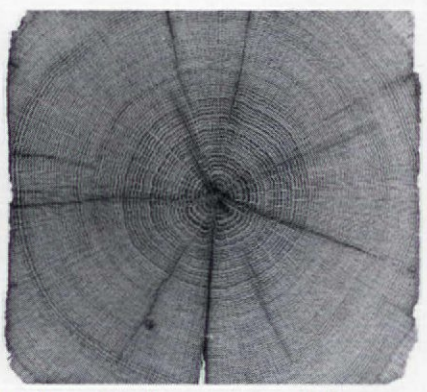
PIONEER MILLWORKS provided the recycled Douglas fir timbers used to create this aquatic pavilion at the Canal Ponds business park in Rochester, N.Y. *Write in No. 6570*

This 16-in.-wide wormy-chestnut lumber is typical of the wood VINTAGE LOG & LUMBER salvages from old houses and factories. *Write in No. 2753*



Along with relocating vintage timber-frame structures, CHESTNUT OAK CO. also salvages and makes available antique heavy timbers. *Write in No. 106*

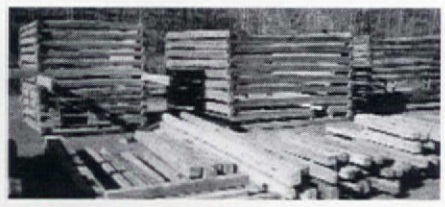
RED SUSPENDERS TIMBER FRAMES designed this pavilion, a timber frame using recycled Douglas fir, for Chandler Creek Park in The Woodlands, Tex. *Write in No. 1025*



Reclaimed timbers enjoy new life as flooring and millwork, thanks to THE WOODS COMPANY. *Write in No. 5600*

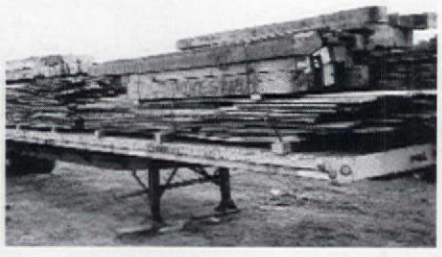
This 400-year-old hand-hewn beam, measuring 18 in. x 18 in. x 30 ft., typifies the vintage wood that can be obtained from TIMBER & STONE RESTORATIONS. *Write in No. 2559*

CENTRE MILLS supplied the vintage logs that were used to make the 19th-century sets featured in the film "Beloved." *Write in No. 1740*



COUNTRY SETTINGS recovers and restores 19th-century hand-hewn log cabins, beams, and building materials. *Write in No. 995*

Besides supplying antique timbers, LANCASTER COUNTY TIMBER FRAMES also constructs timber-frame buildings. *Write in No. 2656*



After removing nails, structural metals, and pegs from reclaimed barn lumber, CHRISTOPHER D. HESS, INC., remills it into flooring. *Write in No. 1275*

EAGLE CREEK DESIGNS obtains antique barn timbers and siding from vintage barns awaiting demolition. *Write in No. 529*

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WRITE IN NO. 2753

TRADITIONAL BUILDING'S ANTIQUE & RECYCLED WOOD *SourceList*

CSI# 06150

COMPILED BY COLE GAGNE

COMPANY	SPECIALTY	Literature	Antique Heavy Timbers	Salvaged Logs for Milling	Milled Lumber	Barn Lumber	Wood Flooring	Wood Paneling	Fabricated Trusses	Other	Wood Species
Aged Woods, Inc. 800-233-9307; Fax: 717-840-1468 www.agedwoods.com York, PA 17402	Rustic, recycled antique woods and beams for t-&-g plank flooring, timber framing, paneling, stair parts, moldings, and in dimensional form for cabinetry. Kiln-dried and milled. Wide plank, random-width, and antique flooring.	Free Write in No. 1320	✔		✔	✔	✔	✔			Oak, chestnut, white pine, yeloow pine, heart pine, maple, hickory, poplar, hemlock
America Heart Pine, Inc. 800-554-5765; Fax: 901-382-0577 www.americaheartpine.com Arlington, TN 38002	Specialist in antique heart-pine. Oak, pine, heart pine, chestnut, maple, cypress, and Douglas fir in new cut or vintage stock; other species available. Flooring, cabinets, door stock, molding, stair parts, air vents, beams.	Free Write in No. 4060	✔	✔	✔	✔	✔	✔		Stair parts, molding, cabinet material, doors, beams	Sinker heart pine, Sinker cypress, new red or white oak, new heart pine, Southern yellow pine, other domestics & exotics
Antique Woods & Colonial Restorations, Inc. 610-367-8193; Fax: 610-367-6911 www.vintagewoods.com Boyertown, PA 19512	Source of resawn and recovered vintage wood flooring, siding, beams, and mantels. Also, antique timber frames.	Free Write in No. 101	✔	✔	✔	✔	✔	✔		Mantels	Oak, chestnut, heart pine, white pine, cypress, hemlock
Architectural Timber & Millwork 800-430-5473; Fax: 413-586-3046 www.atimber.com Hadley, MA 01035	Fabrication of cupolas, steeples, and domes; survey, design, structural, ornamental fabrication, rigging, and installation services for historic structures. Timber-framing. Also, wide-plank flooring; doors, columns, cabinetry, more.	Free Write in No. 1323	✔		✔	✔	✔	✔	✔		Heart pine, white pine, red paine, spruce, hemlock, white oak, red oak, chestnut
Authentic Wood Floors, Inc. 800-765-3966; Fax: 717-428-0464 P.O. Box 153 Glen Rock, PA 17327	Lumber reclaimed from barns and warehouses and recycled into flooring, beams, paneling, molding, wainscoting, etc. Company mills and kiln-dries product.	Free Write in No. 8000	✔		✔		✔	✔			Chestnut, oak
Barn People, The 802-674-5898; Fax: 802-674-6310 www.thebarnpeople.com Windsor, VT 05089	Meticulous dismantling of vintage Vermont barns and outbuildings, reassembled anywhere in the world (with related materials) as dwellings, additions, commercial structures, Great Rooms, and more; consulting services.	Free	✔		✔	✔			✔	Barn frames	
Bear Creek Lumber 800-597-7191; Fax: 509-997-2040 www.bearcreeklumber.com Winthrop, WA 98862	Salvaged beams, flooring, & boards available on a limited basis. Newly traditional lumber products in cedar, pine, fir, redwood. Everything from flooring to timbers, paneling to decking. Custom milling; special orders. Shakes & shingles. Delivery worldwide.	Free Write in No. 521	✔		✔	✔	✔	✔		Barn boards	Red cedar, yellow cedar, pine, Douglas fir, redwood, spruce, larch
Brandt, Sylvan 717-626-4520; Fax: 717-626-5867 www.sylvanbrandt.com Lititz, PA 17543	18th- and 19th-century building materials salvaged from old houses and barns. Specialist in antique and resawn flooring. Roof rafters, floor joists, and antique glass also available.	Free Write in No. 3950	✔		✔	✔	✔	✔	✔		Heart pine, white pine, oak, hemlock, chestnut
Cabin & Timber 218-365-6609; Fax: 218-365-3142 www.cabintimber.com Ely, MN 55731	Antique log and timber-frame buildings, restored and moved to your site.	Free	✔	✔		✔				Hand-hewn beams	Red pine, white pine, tamarack, red cedar, white cedar, aspen
Carlisle Restoration Lumber 800-595-9663; Fax: 603-446-3540 www.wideplankflooring.com Stoddard, NH 03464	Custom-crafted wide-plank floors in widths up to 20 in. and lengths up to 16 ft., in both antique/reclaimed planking or newly sawn old-growth material. Every floor is graded and dried to re-create the look of hand-crafted floors.	Free Write in No. 5580			✔		✔	✔			Heart pine, oak, chestnut, barn siding
Centre Mills Antique Floors 717-334-0249; Fax: 717-334-6223 www.igateway.com/mall/home-imp/wood/index.htm Aspers, PA 17304	Original period log cabins; antique flooring; hewn logs for rafters and joists (structural and decorative); doors; decorative architectural elements; porch posts; wavy glass; more.	Free Write in No. 1740		✔			✔				
Chestnut Oak Company 860-668-0382; Fax: Same as phone www.chestnutoakcompany.com West Suffield, CT 06093	Company has an inventory of antique house and barn structures. Will dismantle, move, and re-erect these structures anywhere in the world.	Free Write in No. 106								Antique houses & barns	
Chestnut Specialists, Inc. 860-283-4209; Fax: Same as phone www.chestnutspec.com Plymouth, CT 06782	Original planks and remilled flooring from antique salvaged lumber in chestnut, oak, and pine. Random-width, -length; planed t&g or square-edged, kiln-dried. Antique barn beams and rough wideboard planks also available.	Free Write in No. 8780	✔			✔	✔	✔			Chestnut, oak, pine
Chestnut Woodworking & Antique Flooring 860-672-4300; Fax: 860-672-2441 www.chestnutwoodworking.com West Cornwall, CT 06796	Original wideboard flooring and remilled tongue-&-groove flooring in chestnut, oak, white pine, heart pine, and hemlock. Kiln-dried. All recycled woods. Also, furniture-grade antique woods; hand-hewn beams; barn siding.	Free Call for more information	✔	✔	✔	✔	✔	✔			Chestnut, oak, heart pine, white pine, hemlock
Christopher D. Hess, Inc. 610-760-9533; Fax: Same as phone 3931 Cedar Dr. Walnutport, PA 18088	"Age & Element Enhanced" reclaimed barn lumber for rustic and contemporary uses, casual to elegant. Beams & other structural materials milled to custom widths and lengths, graded & kiln-dried; chestnut, oak, white pine, hemlock.	Free Write in No. 1275	✔	✔	✔	✔	✔			Barn wood, custom milling	Red oak, white oak, Eastern white pine, hemlock, Northern yellow pine, maple, ash, hickory, poplar, heart pine
Conklin's Authentic Barnwood 570-465-3832; Fax: 570-465-3835 www.conklinsbarnwood.com Susquehanna, PA 18847	Wholesale distributor of antique barnwood and hand-hewn beams, including random-width flooring in white pine, chestnut, heart pine, antique oak, hemlock. Also available: hewn rafters, pole rafters, and half-rounds.	Free	✔		✔	✔	✔	✔			Pine, hemlock, oak, elm, ash, maple, beech, heart pine, chestnut, hickory
Country Road Associates, Ltd. 845-677-6041; Fax: 845-677-6532 www.countryroadassociates.com Millbrook, NY 12545	Supplier of 19th-century reclaimed wood from barns and homes, for reuse as flooring, cabinetry, or panelling.	Free Write in No. 7480	✔		✔	✔	✔	✔		Furniture	White pine, hemlock, oak, heart pine, chestnut
Country Settings, Inc. 888-941-9553; Fax: 304-925-3303 www.countrysettings.com Belle, WV 25015	Specialist in the recovery of 19th-century building materials, including authentic log cabins, timberframe barns, hand-hewn beams, barn board, and chestnut & oak lumber.	Free Write in No. 995	✔	✔	✔	✔	✔	✔		Timberframe barns, log cabins	Oak, chestnut, poplar, white pine
Duluth Timber Co. 218-727-2145; Fax: 218-727-0393 www.duluthtimber.com Duluth, MN 55816	Resawn planks and beams, flooring, paneling, and custom millwork from recycled heart pine and Douglas fir timbers; 'as is' timbers; national shipping. Custom jobs; specialist in whole-house projects.	Free Write in No. 112	✔	✔	✔		✔	✔		Custom millwork, stair parts, trim	Douglas fir, heart pine, Jarrah, eucalyptus, white pine, redwood, cypress
Eagle Creek Designs 330-274-2041; Fax: 330-274-3370 6025 Schustrich, P.O. Box 163 Mantua, OH 44255	Stock barns and log houses; complete inventory of salvaged building materials: beams, flooring, doors, wood paneling, siding, mantels. Also, salvaged stone; consultation; barns disassembled and reassembled.	Free Write in No. 529	✔				✔	✔		Barns, log houses	Poplar, white oak, chestnut

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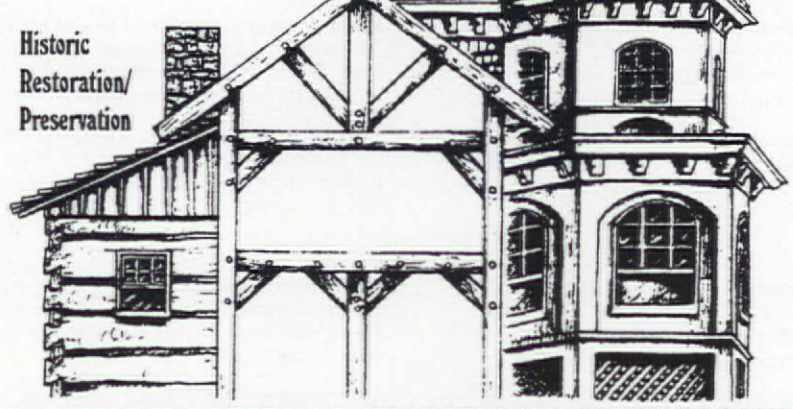

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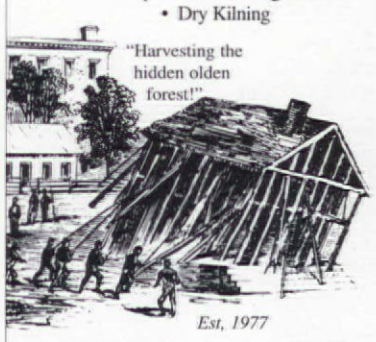

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WRITE IN NO. 101

TRADITIONAL BUILDING'S ANTIQUE & RECYCLED WOOD *SourceList*

CSI# 06150

COMPILED BY COLE GAGNE

COMPANY	SPECIALTY	Literature	Antique Heavy Timbers	Salvaged Logs for Milling	Milled Lumber	Barn Lumber	Wood Flooring	Wood Paneling	Fabricated Trusses	Other	Wood Species
Evenson Natural Resources 707-629-3679; Fax: Same as phone www.oldgrowthtimbers.com Petrolia, CA 95558	Recycled redwood and Douglas fir; offers used timbers salvaged from industrial structures; custom-milled or reshaped to spec.	Free	✔		✔	✔	✔	✔			Douglas fir, redwood
Goodwin Heart Pine Co. 800-336-3118; Fax: 352-466-0608 www.heartpine.com Micanopy, FL 32667	Recovered logs and timber products for use in flooring, stair parts, & architectural millwork. The firm also founded the Association for the Restoration of Longleaf Pine in 1992 to support reforestation.	Free Write in No. 1330	✔	✔	✔		✔	✔		Stair parts, molding, millwork, furniture	Heart pine, heart cypress, wild black cherry
Harvey Millwork, Inc. 410-822-7689; Fax: 410-745-9926 www.harveymillwork.com Bozman, MD 21612	Specialist in longleaf heart pine, three species available, native and imported. Custom flooring, doors, molding, paneling, vents/registers, mantels, trim, and stair parts; shipping worldwide.	Free Write in No. 3460	✔		✔		✔	✔		Doors, stair parts, molding, mantels, custom millwork	Longleaf heart pine
Henderson Corporation 800-888-9111; Fax: 208-368-0783 www.hendersoncorporation.com Boise, ID 83707	Manufacturer: antique flooring, dimensional selected grades for doors, cabinets, stairs. Supplier: original barn materials; floors, siding, hewn timbers, frames. Custom milling & texturing. Milled blanks for wholesale customers.	Free Write in No. 2756	✔		✔	✔	✔	✔			Chestnut, oak, Douglas fir, maple, white pine
Kronenberger & Sons Restoration 860-347-4600; Fax: 860-343-0309 www.kronenbergersons.com Middletown, CT 06457	Restoration firm specializing in brownstone, brick, & fieldstone restoration; house moving; window restoration; matching existing moldings, trim, paneling, etc.; wood carving; wood roofs; mortar matching; cleaning and repointing.	Free Write in No. 536	✔							Matching existing hardwood moldings	As specified
Lancaster County Timber Frames 717-755-2990; Fax: 717-755-6971 13 Oakwood Lane Lititz, PA 17543	Residential and commercial timber-frame structures in Douglas fir, oak, hemlock, pine, or cherry.	Free Write in No. 2656								Timber-frame structures	Douglas fir, oak, hemlock, pine, cherry
Leatherwood, Inc. 615-799-1638; Fax: 615-799-1430 7106 Black Pine Road Fairview, TN 37062	General contractor specializing in all aspects of historic restoration. Services include providing antique building materials and architectural antiques, and the disassembling, moving, and restoration of historic buildings.	Free Write in No. 1228	✔	✔	✔	✔	✔	✔	✔	Hand-hewn timbers	Heart pine, oak, ash, chestnut
Longleaf Lumber 617-625-3659; Fax: 617-625-3615 www.longleaflumber.com Somerville, MA 02143	Antique lumber mill specializes in longleaf heart pine, chestnut, Eastern antique white pine, and other woods; flooring and custom milling; wide-plank and random-width boards. Also, barn boards.	Free Write in No. 272	✔	✔	✔	✔	✔	✔			Longleaf heart pine, chestnut, Eastern white pine, & others
Mountain Lumber Co. 800-445-2671; Fax: 804-985-4105 www.mountainlumber.com Ruckersville, VA 22968	100% reclaimed antique woods rescued from 18th- and 19th-century factories, mills, rural buildings, and maritime structures. All material kiln-dried in own kilns, pre-squared, and available prefinished.	Free Write in No. 7140	✔	✔	✔	✔	✔	✔			Longleaf heart pine, American red & white oak, American chestnut, Russian oak, yellow pine, "Tidewater" pine & cypress
Northeast Millwork Corp. 401-624-7744; Fax: 401-624-8118 500 Eagleville Road Tiverton, RI 02878	Supplier of antique heart pine, old-growth recycled timbers, fir, chestnut, and pine. Manufacturer of flooring, stair treads, handrails, cabinetry, fine millwork, and moldings.	Free Write in No. 2794	✔	✔	✔		✔	✔		Stair treads, handrails, cabinetry, spiral staircases	Heart pine, fir, chestnut, pine
Pinetree Builders 954-760-5800; Fax: 954-760-5833 www.pinetreebuilders.com Fort Lauderdale, FL 33316	Specialist in heart pine and Dade County pine, reclaimed from dismantled buldings that range in age from 60 to 200 years old. Also, custom millwork.	Free	✔		✔		✔			Specialty millwork, joining, resawing, scrollwork	Southern yellow pine, red heart cypress
Pioneer Millworks 800-951-9663; Fax: 716-924-9962 www.pioneermillworks.com Farmington, NY 14425	Firm creates high-quality reclaimed wood flooring, doors, molding, timbers, furniture, cabinetry, and stair parts from timber sourced from old building sites and barns.	Free Write in No. 6370	✔		✔	✔	✔	✔	✔		Heart pine, Douglas fir, oak, & others
Precision Woodworks 512-756-6950; Fax: 512-756-2804 www.precisionwoodworks.com Burnet, TX 78611	Supplier of antique recycled timbers and resawn lumber products. Antique woods remilled for custom flooring and architectural products.	Free	✔		✔		✔			Architectural elements, custom doors, trim molding	Longleaf pine, white pine, fir, & others
Red Suspenders Timber Frames 936-564-9465; Fax: 936-564-6001 www.redsuspenderstf.com Nacogdoches, TX 75961	Designers and craftspeople specializing in finely crafted timber-framed public, commercial, and residential projects throughout the U.S.	Free Write in No. 1025								Timber frames	
South County Post & Beam 800-471-8715; Fax: 401-783-4494 www.scpb.net West Kingston, RI 02892	Full-service, design and build timber-frame company and wide-pine-flooring supplier. More than 20 years' experience with timber framing. Nationwide shipping of frame and stress-skin-panel enclosure systems.	Free Write in No. 134					✔			Timber frames	Pine, others
T.P. Higgins Co. 225-695-6006; Fax: Same as phone www.eatel.net/~antqpine/ Prairieville, LA 70769	Manufactures antique wood flooring in species of your choice. Custom sizes from samples, photos, specs. T&G up to 12 in. wide. Wholesale brokerage service available.	Free Write in No. 2778					✔				As specified
The Woods Company 717-263-6524; Fax: 717-263-9346 www.thewoodscompany.com Chambersburg, PA 17201	Wide-plank flooring from new woods & remilled antique woods (heart pine, oak, chestnut, white pine); brush-textured flooring; stair parts; antique beams; floor decking; exposed-beam ceiling & joist systems; antique foundation stone.	Free Write in No. 5600	✔	✔	✔	✔	✔	✔	✔		Chestnut, oak, yellow pine, white pine, hemlock, heart pine
Timber & Stone Restorations 800-847-2944; Fax: www.timberandstone.com Fredericksburg, TX 78624	Salvages & sells antique hand-hewn log cabins, vintage timber-frame barns, antique stone structures, vintage windmills. Hand-hewn beams from 6x6 in. to 18x18 in., barn wood, other antique materials. Restoration & consulting services.	Free Write in No. 2559	✔	✔		✔	✔			Antique log cabins, vintage timber-frame barns	Oak, poplar, chestnut, pine
Timeless Timber 888-653-5647; Fax: 715-685-9620 www.timelesstimber.com Ashland, WI 54806	Old-growth timbers harvested from the Great Lakes region during the 1800s, which are retrieved from the water, cut, and dried; for a variety of uses.	Free Write in No. 2604	✔	✔	✔		✔	✔			Maple, oak, red birch, pine, hemlock, cypress
Vintage Log & Lumber, Inc. 304-497-2700; Fax: 304-497-3651 www.vintagelog.com Renick, WV 24966	Small company specializing in antique hand-hewn log cabins and timber-frame barns. Hand-hewn beams, chestnut lumber, antique oak, poplar & pine for flooring and millwork. Hand-cut foundation & chimney stone; architectural salvage.	Free Write in No. 2753	✔	✔	✔	✔	✔			Log cabins, timber-frame barns	Chestnut, oak, poplar, pine
West Lincoln Barnboard & Beams Ltd. 800-719-9051; Fax: 905-643-9219 www.antiquewoods.com Smithville, ON, CANADA L0R 2A0	Source of hand-hewn beams; weathered barnboard; antique flooring; pine, hemlock, oak, Douglas fir, and other hardwoods; rough, planed, tongue-&-groove.	Free	✔		✔	✔	✔				Pine, hemlock, oak, maple, elm, beech, ash, chestnut, Douglas fir

SourceList 92-98
Portfolio. 100-104

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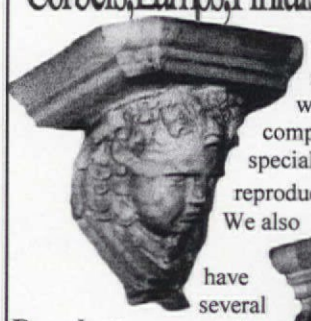
And of course the *SourceList* is your personal guide through the forest of wood-door manufacturers, including paneled, carved, and fire-rated doors, as well as firms that make complete entryways. We've even included data on the extent to which these companies can provide custom work, as well as the types of wood species they provide. All you have to do is select the best source for your projects.

Corbels, Lamps, Finials & More



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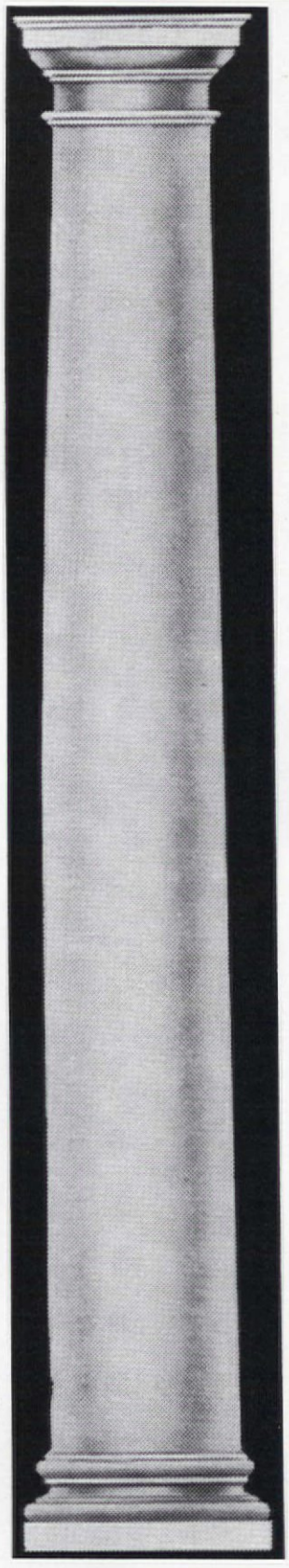

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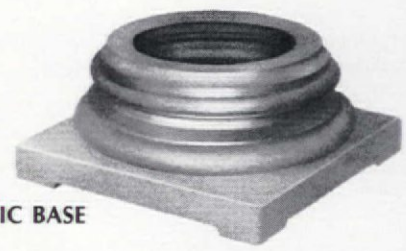

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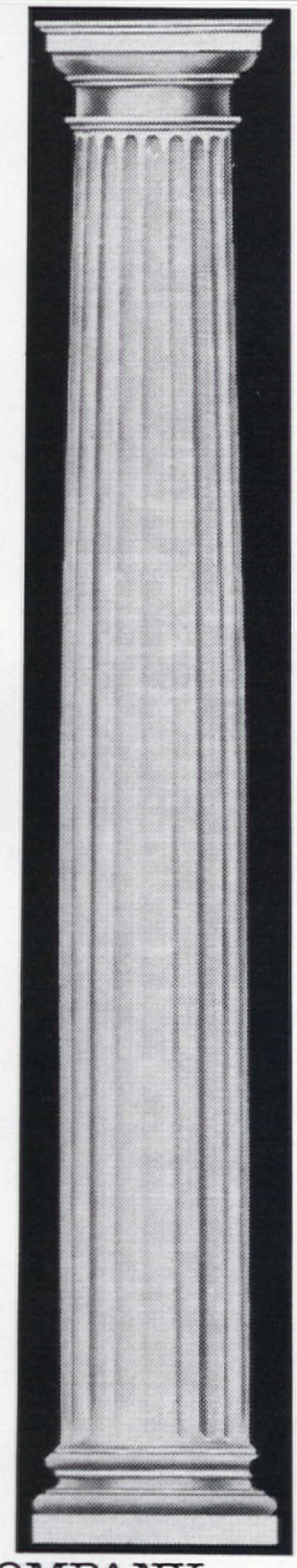

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WRITE IN NO. 1610

TRADITIONAL BUILDING'S *SourceList for* PANELING, CASEWORK, MOLDINGS & DOORS

CSI# 06410

COMPILED BY COLE GAGNE

COMPANY	SPECIALTY	Literature	INTERIOR WOODWORK							WOOD DOORS					Wood Species	% Custom
			Door & Window Casing	Moldings	Built-In Furniture	Wood Carvings	Paneling	Casework	Complete Packages	Other	Paneled	Carved	Fire-Rated	Complete Entryways	Other	
A. Lewis Manufacturing Co. 410-467-2212; Fax: 410-467-3377 1750 Union Ave. Baltimore, MD 21211	Manufactured-to-order, deeply cut embossed moldings, trim, panel, crown, casing, cut dentil, turned rope, and rosettes in most wood species.	$2.00 Write in No. 818		✔												Most wood species	100%
Accent Architectural Millworks, Inc. 770-237-2933; Fax: 770-513-2385 www.accentarch.com Auburn, GA 30011	Custom windows, doors, specialties; reproduction work. Weight-&-pulley, double-hung windows; French casements, inswing and outswing; custom entryways. Also, other millwork: paneling, columns, turnings, moldings, shutters, more.	Free Write in No. 1248	✔	✔			✔		✔		✔	✔		✔		All species	100%
ACMI, Inc., Moulding & Millwork 912-888-3303; Fax: 912-888-9245 www.americancustommillwork.com Albany, GA 31706	Extensive line of hand-carvings made of limewood, which can be painted or stained: corbels, pediments, columns, capitals, & appliques. Also manufactures quality embossed wood moldings, straight or curved, along with custom millwork.	Free Write in No. 6780	✔	✔		✔											100%
Adams Architectural Wood Products 888-285-8120; Fax: 319-285-8003 www.adamsarch.com Eldridge, IA 52748	Custom windows and doors with a special emphasis on historic-restoration projects. AWI premium-grade construction, with a wide variety of glazing and wood-species options. Replacement and storm and screen sash a specialty.	Free Write in No. 1265									✔				French, screen & storm doors	Pine, oak, mahogany, cherry, poplar, as specified	100%
Aged Woods, Inc. 800-233-9307, Fax: 717-840-1468 www.agedwoods.com York, PA 17402	Rustic, recycled antique woods and beams for t-&-g plank flooring, timber framing, paneling, stair parts, moldings, and in dimensional form for cabinetry. Kiln-dried and milled. Wide plank, random-width, and antique flooring.	Free Write in No. 1320		✔			✔	✔		Wide-plank flooring						Oak, pine, heart pine, chestnut, maple, hemlock, poplar, hickory, ash	100%
Agrell & Thorpe, Ltd. 415-381-9474; Fax: 415-381-9475 www.agrellandthorpe.com Mill Valley, CA 94941	Master carving studio produces a wide range of carved products in wood, stone, and marble; for commercial, residential, and religious buildings. Worldwide experience.	Free Write in No. 90	✔	✔		✔	✔	✔	✔			✔				All types	100%
Alaco Ladder Co. 909-591-7561; Fax: 909-591-7565 5167 'G' St. Chino, CA 91710	Custom manufacturer of oak rolling-track library ladders. Other hardwoods, hardware options, and finishes also available.	Free Write in No. 1282								Oak rolling-track library ladders						Oak & other hardwoods	100%
Andy Thornton, Ltd. +44-1422-375595; Fax: +44-1422-377455 www.ataa.co.uk Elland, W. Yorkshire, UK HX5 9JP	Original & reproduction paneling & hand-crafted-timber interiors for contract market. Complete rooms including bookcases, carvings, fireplaces, recesses, alcoves, secret doors. From Tudor & linenfold paneling to fretwork & veneers.	Free Write in No. 2736		✔	✔	✔	✔	✔	✔	Bookcases & hidden doorways	✔	✔	✔	✔		All species	100%
Architectural Enhancements 888-332-6723; Fax: 845-343-0225 P.O. Box 455 New Hampton, NY 10958	Manufactures a stock line of embossed, carved, and dentil moldings. Also, quotes custom jobs for moldings in any species.	Free	✔	✔		✔										Poplar, oak, mahogany, maple, cherry, pine, birch, ash, walnut	50%
Architectural Paneling, Inc. 212-371-9632; Fax: 212-759-0276 www.apaneling.com New York, NY 10022	High-end French and English reproduction paneling, hand-carved, deep-sculpt moldings, and cabinetry; furniture, and other finished architectural elements; video available.	Free Write in No. 6490	✔	✔	✔	✔	✔	✔	✔							All species	95%
Architectural Products by Outwater, LLC 800-835-4400; Fax: 800-835-4403 www.outwater.com Wood Ridge, NJ 07075	Supplier of more than 35,000 ready-to-ship building-component products including int./ext. architectural millwork, columns, decorative moldings & trim, wrought-iron components, hardware & lighting.	Free Write in No. 4935	✔	✔		✔	✔	✔	✔							Red oak, poplar, maple, pine, cherry, & more	10%
Architectural Timber & Millwork 800-430-5473; Fax: 413-586-3046 www.atimber.com Hadley, MA 01035	Fabrication of cupolas, steeples, and domes; survey, design, structural, ornamental fabrication, rigging, and installation services for historic structures. Timber-framing. Also, wide-plank flooring; doors, columns, cabinetry, more.	Free Write in No. 1323	✔	✔			✔	✔	✔					✔		As specified	100%
Architectural Timberworks 570-639-2353; Fax: 570-639-0931 www.archtimb.com Dallas, PA 18612	Design, consultation, fabrication, and installation of custom timber framing and related products.	Free Write in No. 592												✔			100%
Asselin SA 207-541-3626; Fax: 207-253-5359 USA www.asselin.fr 79102 Thouars, FRANCE	French firm with nearly half a century of experience in traditional woodworking. Specialties include custom paneling, doors, parquet flooring, windows, and stairs, authentically styled and crafted out of solid French oak.	Free	✔	✔		✔	✔		✔	Windows & stairs	✔	✔		✔		French oak	100%
Barewood 718-875-9037; Fax: 718-875-3833 www.barewoodllc.com Brooklyn, NY 11231	Specialist in custom 18th- and 19th-century architectural woodwork.	Free	✔	✔	✔	✔	✔	✔	✔	Shutters	✔	✔		✔	Arched-top, bowed, & French	All species	100%
Bear Creek Lumber 800-597-7191; Fax: 509-997-2040 www.bearcreeklumber.com Winthrop, WA 98862	Interior T&G products for use as paneling available in cedar, pine, spruce, fir, & redwood. Traditional finish wood products from siding to timbers, T&G flooring to decking. Shakes & shingles. Custom milling, special orders. Delivery worldwide.	Free Write in No. 521					✔									Red cedar, yellow cedar, Port Orford cedar, redwood, Douglas fir, pine, larch, spruce	25%
Bellas Artes Inc. 626-333-3622; Fax: 626-333-2677 14837 #A Proctor Ave. La Puente, CA 91746	Wood-carving studio.	Free Write in No. 3141				✔											100%
Bendix Mouldings, Inc. 800-526-0240; Fax: 800-423-6349 37 Ramland Rd. So. Orangeburg, NY 10962	Carved and embossed decorative wood moldings including rope, beaded, egg & dart, Greek key, and fluted, as well as plain, panel, and crown moldings. Embossed wood ornament in ramin and oak.	Free	✔	✔		✔		✔									5%
Bernhard Woodwork, Ltd. 847-291-1040; Fax: 847-291-1352 3670 Woodhead Dr. Northbrook, IL 60062	Large millwork shop manufactures and installs high-end architectural woodwork for commercial, retail, institutional, and residential applications.	Free	✔	✔	✔	✔	✔	✔	✔		✔	✔	✔	✔		All species	100%
Blainville Mouldings, Inc. 800-363-6367; Fax: 450-430-2286 www.blainville-mould.ca/mould Blainville, PQ, CANA, DA J7C 4L8	Manufacturer specializes in interior wooden mouldings and components for residential and commercial furniture and construction.	Free		✔													100%
Bolection Door 336-851-5208; Fax: 888-511-5209 www.bolectiondoor.com Greensboro, NC 27420	Solid, one-piece MDF doors in any design or size, with or without raised moldings. Can receive CAD drawings to create custom doors: radius-top, custom heights and widths, stile & rail, panel, all to custom specification.	Free Write in No. 519									✔	✔	✔				100%
Cabinet Studio 800-761-6424; Fax: 713-461-0614 www.cabinetstudio.net Houston, TX 77024	Source of custom moldings and cabinet doors, casework.	Free						✔									100%

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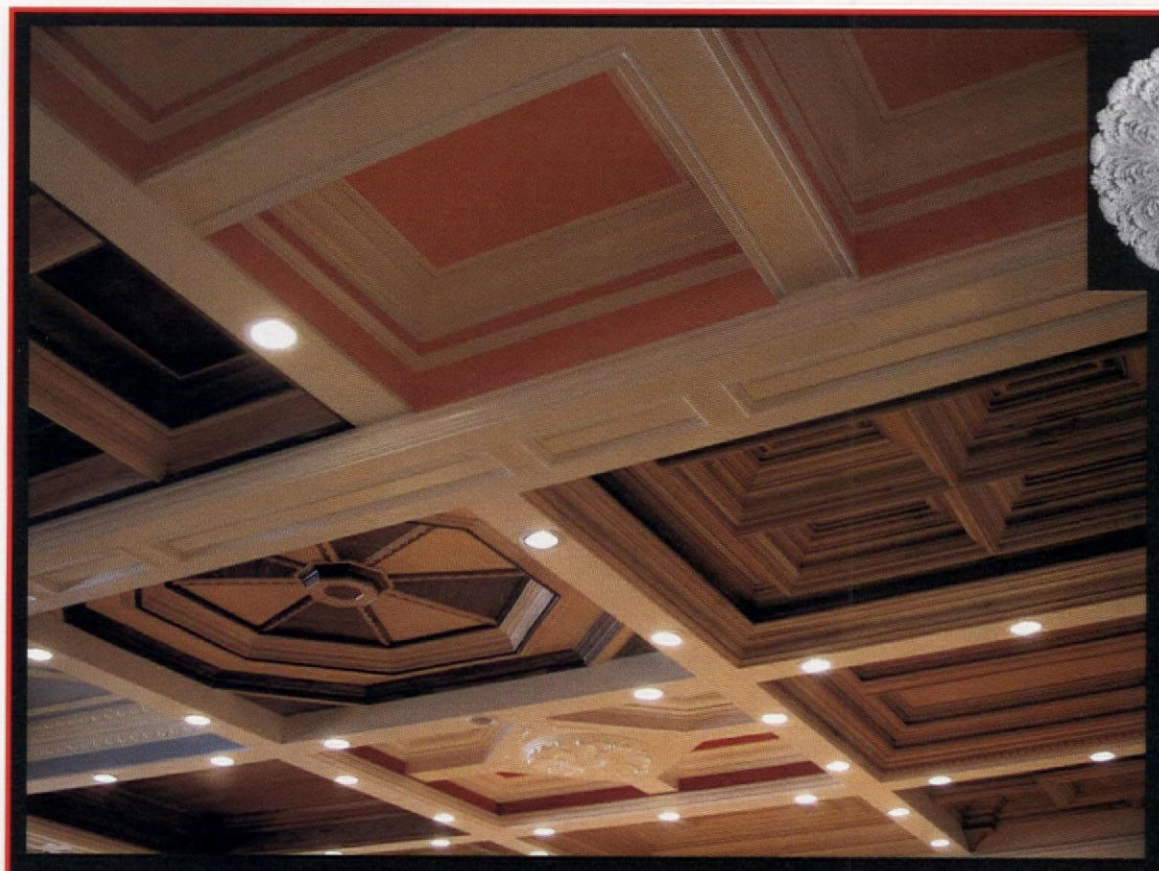
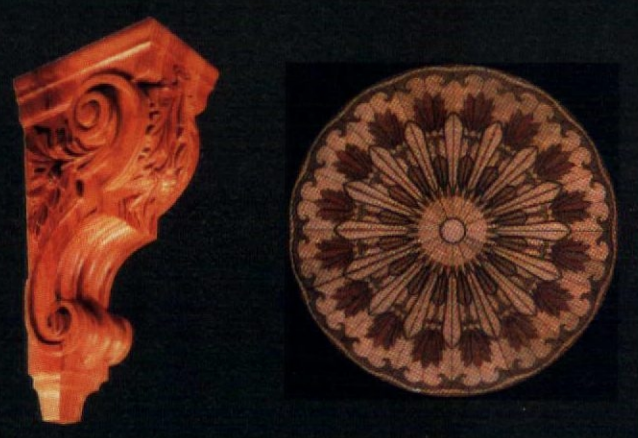
WRITE IN NO. 90

TRADITIONAL BUILDING'S *SourceList for* CSI# 06410
PANELING, CASEWORK, MOLDINGS & DOORS

COMPILED BY COLE GAGNE

COMPANY	SPECIALTY	Literature	INTERIOR WOODWORK								WOOD DOORS					Wood Species	% Custom
			Door & Window Casing	Moldings	Built-In Furniture	Wood Carvings	Paneling	Casework	Complete Packages	Other	Paneled	Carved	Fire-Rated	Complete Entryways	Other		
Carlisle Restoration Lumber 800-595-9663; Fax: 603-446-3540 www.wideplankflooring.com Stoddard, NH 03464	Custom-crafted wide-plank floors in widths up to 20 in. and lengths up to 16 ft., in both antique/redaimed planking or newly sawn old-growth material. Every floor is graded and dried to re-create the look of hand-crafted floors.	Free Write in No. 5580					✔			Custom wide-plank wood flooring						All species	100%
Centre Mills Antique Floors 717-334-0249; Fax: 717-334-6223 www.igateway.com/mall/home-imp/wood/index.htm Aspers, PA 17304	Original period log cabins; antique flooring; hewn logs for rafters and joists (structural and decorative); doors; decorative architectural elements; porch posts; wavy glass; more.	Free Write in No. 1740	✔				✔			Antique flooring							5%
Century Woodworking, Inc. 800-448-7809; Fax: 860-379-1052 P.O. Box 164 Pleasant Valley, CT 06063	Manufacturer of custom-designed interior and exterior millwork, casework, windows, and doors.	Free	✔	✔	✔		✔	✔	✔		✔			✔		All species	100%
Classic Architectural Specialties 800-662-1221; Fax: 972-552-9054 www.casdesign.com Forney, TX 75126	Full-service supplier of architectural components, furnishing complete packages for period commercial exteriors, from millwork to street lighting.	Free	✔	✔		✔											50%
Classic Builder's Resource 516-767-7406; Fax: 516-767-7197 www.cme4wood.com Port Washington, NY 11050	Supplier of architectural details in wood, plaster, GRG, and polymer-modifed gypsum, including custom wood moldings, doors, and carvings; for interior and exterior applications. Will ship anywhere.	Free	✔	✔		✔	✔				✔	✔	✔				All species	75%
Connecticut Hardwoods, Inc. 860-659-3528; Fax: 860-659-3529 www.cthardwoods.com Glastonbury, CT 06033	Supplier of custom doors, mantels, and interior casework, as well as custom millwork.	Free	✔	✔	✔	✔	✔	✔	✔	Curved molding & round-top doors	✔	✔		✔		Multiple species	100%
Craftsman Lumber Co. 978-448-5621; Fax: 978-448-2754 www.craftsmanlumber.com Groton, MA 01450	Custom wide flooring; Eastern white pine to 24 in. wide; red pine to 12 in. wide; and hardwoods to 16 in. wide. Also, paneling and custom millwork.	Free Write in No. 4320					✔			Flooring, beams						Oak, pine, maple, ash, walnut, cherry	100%
Cumberland Woodcraft Co. 800-367-1884; Fax: 717-243-6502 www.cumberlandwoodcraft.com Carlisle, PA 17013	Architectural & period millwork, fixtures, & decorative treatments. Commercial projects from ornate bars to libraries & entertainment centers. Also, rails, balustrades, & turnings; custom stair capabilities; stair-tread accents.	Free Write in No. 1310	✔	✔	✔	✔	✔	✔	✔		✔	✔				Oak, mahogany, walnut, cherry, & others	50%
Drums Sash & Door Co. 570-788-1145; Fax: 570-788-3007 392 W. Butler Dr., P.O. Box 207 Drums, PA 18222	Custom wood shop specializes in replacement sash, all sizes & layouts (circle, oval, Gothic, cottage); entryways & doors (paneled, louvered, French); moldings; raised-panel shutters; storm/screen doors. Your choice of profile, wood.	Free Call for information	✔	✔			✔	✔	✔		✔			✔	French, louvered, pocket, screen, & storm doors	Pine, oak, mahogany, Spanish cedar, poplar, birch	100%
Duluth Timber Co. 218-727-2145; Fax: 218-727-0393 www.duluthtimber.com Duluth, MN 55816	Resawn planks and beams, flooring, paneling, and custom millwork from recycled heart pine and Douglas fir timbers; 'as is' timbers; national shipping. Custom jobs; specialist in whole-house projects.	Free Write in No. 112		✔			✔		✔	Flooring, beams						Heart pine, Douglas fir	100%
Elipticon Wood Products 920-788-9322; Fax: 920-788-3086 www.elipticon-backyards.com Little Chute, WI 54140	Curved moldings and extension jambs for windows and doors in any profile and species of wood. 1,200 profiles in stock. Specializing in short-run and historical reproductions, straight and curved millwork.	Free	✔	✔						Turnings & radiused moldings					Arched interior doorway packages	All species	100%
Enkeboll Designs 310-532-1400; Fax: 310-532-2042 www.enkeboll.com Carson, CA 90746	Extensive array of architectural elements carved in solid woods: moldings, columns, capitals, newels, corbels, onlays, panels; available in maple, red oak, or cherry. Catalog set $20, refundable with order.	Free Write in No. 5770	✔	✔	✔	✔	✔	✔	✔	Columns & capitals						Maple, red oak, cherry	0%
Fagan Design & Fabrication, Inc. 203-937-1874; Fax: 203-937-7321 44 Railroad Ave. West Haven, CT 06516	Custom hand-turned columns, cylinders, rope twists, spirals, etc. Also, capitals and other carvings. Can produce exact duplicates for restoration; hardwoods a specialty.	Free Write in No. 8210		✔		✔				Columns & capitals							90%
Fine Wine Rack & Cellar Co. 415-626-9463; Fax: 415-626-9453 www.paulwyatt.com San Francisco, CA 94103	Complete custom wine-cellar design, specification, and assembly worldwide. Lifetime warranty.	Free Write in No. 150								Fine wine cellars							100%
Flex Trim Industries, Inc. 800-356-9060; Fax: 800-874-6832 www.flextrim.com Rancho Cucamonga, CA 91730	Flexible molding for interior and exterior use; can be made to shape, profile, or contour; radius molding for curved walls, round windows, doors, arch openings, or other curved building contours; made from a polymer-composite resin.	Free		✔													75%
Golden Movement Emporium 800-590-3288; Fax: 310-645-8902 www.goldenmovement.com Los Angeles, CA 90045	Classic chandeliers plus solid rosewood mantels and doors.	Free Write in No. 71									✔					Rosewood	0%
Goodwin Associates 716-248-3320; Fax: 716-387-0153 P.O. Box 18605 Rochester, NY 14618	Moldings available in fiberglass, wood, polyurethane, and Forton MG; also radius and flexible profiles in wood and polyurethane. Specialist in architectural building products; custom work available.	Free Write in No. 1330	✔	✔		✔										Hardwoods	50%
Goodwin Heart Pine Co. 800-336-3118; Fax: 352-466-0608 www.heartpine.com Micanopy, FL 32667	Recovered logs and timber products for use in flooring, stair parts, & architectural millwork. The firm also founded the Association for the Restoration of Longleaf Pine in 1992 to support reforestation.	Free Write in No. 1330		✔			✔			Hardwood flooring						Old-growth heart pine & old-growth heart cypress	100%
Grabill Windows & Doors 810-798-2817; Fax: 810-798-2809 www.grabillwindow.com Almont, MI 48003	Custom-built exterior doors and entryways; wood windows in casement, awning, and traditional double-hung units with weight-&-pulley operation. T.D.L., custom profiles and hardware.	Free Write in No. 1910									✔			✔	French, art glass		100%
Gregor's Studios 214-744-3385; Fax: 214-748-4864 1413 Dragon St. Dallas, TX 75207	Offers a wide selection of hand-carved architectural components, with emphasis on doors and mantels, many with corresponding trumeaux. European antiques also available.	Free Write in No. 2654			✔		✔	✔	✔	Mantels	✔	✔		✔			65%
H.A. Stiles Company 800-447-8537; Fax: 207-854-3863 www.hastiles.com Westbrook, ME 04098	Supplies turned, shaped, carved, and molded wood products to custom order in a variety of softwoods and hardwoods.	Free		✔		✔											95%
Hahn's Woodworking Co. 908-241-8825; Fax: 908-241-9293 www.hahnswoodworking.com Roselle, NJ 07203	Custom manufacturer of traditional swing-out and sliding doors for carriage houses. Also specializes in overhead motorized operating doors with the appearance of swing-out carriage-house doors.	Free Write in No. 6640					✔	✔			✔			✔	French, louvered, pocket, large-scale swing doors, overhead doors	All species	100%





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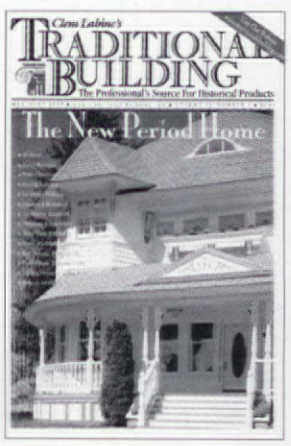

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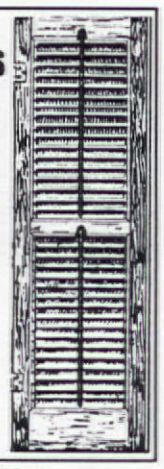

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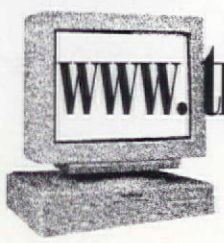

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TRADITIONAL BUILDING'S *SourceList for* PANELING, CASEWORK, MOLDINGS & DOORS

CSI# 06410

COMPILED BY COLE GAGNE

COMPANY	SPECIALTY	Literature	INTERIOR WOODWORK								WOOD DOORS					Wood Species	% Custom
			Door & Window Casing	Moldings	Built-In Furniture	Wood Carvings	Paneling	Casework	Complete Packages	Other	Paneled	Carved	Fire-Rated	Complete Entryways	Other		
Harvey Millwork, Inc. 410-822-7689; Fax: 410-745-9926 www.harveymillwork.com Bozman, MD 21612	Specialist in longleaf heart pine, three species available, native and imported. Custom flooring, doors, molding, paneling, vents/registers, mantels, trim, and stair parts; shipping worldwide.	Free Write in No. 3460		✔			✔	✔		Flooring, mantels, stair parts	✔					Longleaf heart pine	100%
Hearthstone, Inc. 800-247-4442; Fax: 865-397-9262 www.hearthstonehomes.com Dandridge, TN 37725	Custom timber framing with traditional mortise-&-tenon joinery in the wood of your choice. Specialist in residential, commercial, barns, churches, and truss/roof systems. In-house design. Build nationwide.	Free Call for information					✔										100%
Hendricks Woodworking 610-756-6187; Fax: 610-756-6171 www.historicdoors.com Kempton, PA 19529	Custom manufacturer of wood windows and doors for restoration or period-style construction.	Free Write in No. 3570	✔	✔		✔	✔				✔	✔		✔		Most species	100%
Heritage Door, LLC 734-414-7100; Fax: 734-414-7103 7667 Market Dr. Canton, MI 48187	Specializes in standard and custom interior and exterior door systems in Honduras mahogany. Jambs, astragals, brickmold, and exotic hardwood flooring.	Free Write in No. 1350	✔	✔			✔	✔		Flooring	✔	✔		✔		Mahogany, oak, cherry, maple	70%
Hird/Blaker, Inc. 718-665-3434; Fax: 718-665-0524 www.hirdblaker.com Bronx, NY 10454	Source of architectural woodwork, furniture, and casework.	Free	✔	✔	✔	✔	✔	✔	✔		✔			✔		All species	100%
Hull Historical Millwork 817-332-1495; Fax: 817-332-1496 www.hullhistorical.com Fort Worth, TX 76104	Specialist in historic millwork.	Free Write in No. 3016	✔	✔		✔	✔	✔			✔	✔		✔	Windows		100%
JMS Wood Products 818-709-8674; Fax: 818-709-8683 8825 Shirley Ave. Northridge, CA 91324	Rope mouldings from 3/8-in. to 3-in. dia.; rope columns from 4-in. to 24-in. dia. Any length, any size, any species. Rope, fluted, and twist designs can be accommodated to furniture or stairs. Plinth blocks for door surrounds.	Free Write in No. 6320								Turnings						All species	100%
Kestrel Mfg. 800-494-4321; Fax: 610-326-6779 www.diyshutters.com Stowe, PA 19464	True mortise-&-tenon shutters, interior & exterior; custom-sized shutters available assembled or in shutter kits; panel & louver styles; glass or fabric inserts available. Also interior & exterior shutter hardware; cabinet hardware.	Free Write in No. 7990								Shutters, louver doors					Cabinet doors	Basswood, Spanish cedar	100%
Klitsas, Dimitrios - Fine Wood Sculptor 413-566-5301; Fax: 413-566-5307 www.klitsas.com Hampden, MA 01036	Custom carving of wood architectural elements, both interior and exterior, including furniture (all periods), fireplace mantels, stairs, chandeliers, moldings, and other specialty carvings.	Free Write in No. 7380		✔		✔		✔		Turnings, mantels, stairs						All species	100%
Koroseal Wall Protection Systems 800-628-0449; Fax: 330-668-7703 www.korogard.com Fairlawn, OH 44333	Maker of corner protectors, handrails, and chair rails in a wide variety of models, colors, and stains. Handrails are ADA-compliant.	Free Write in No. 3046								Decorative protective wood hand rails & chair rails						Red oak, maple, & other species	15%
Kronenberger & Sons Restoration 860-347-4600; Fax: 860-343-0309 www.kronenbergersons.com Middletown, CT 06457	Restoration firm specializing in brownstone, brick, & fieldstone restoration; house moving; window restoration; matching existing moldings, trim, paneling, etc.; wood carving; wood roofs; mortar matching; cleaning and repointing.	Free Write in No. 536		✔			✔	✔	✔							All species	100%
MacLea Architectural Wood Products 410-477-5560; Fax: 410-477-5562 Box 157 Riderwood, MD 21139	Appalachian hardwood moldings, plus Spanish cedar, teak; will export.	Free	✔	✔	✔	✔	✔	✔	✔		✔	✔		✔		Domestic softwoods & hardwoods, mahogany, teak, Spanish cedar	90%
Maurer & Shepherd, Joyners 860-633-2383; Fax: 860-633-7231 122 Naubuc Avenue Glastonbury, CT 06033	Shop specializes in historic reproduction architectural millwork in pine and mahogany: windows, doors, entryways, and raised paneling.	Free Call for information		✔		✔	✔	✔	✔	Flooring, mantels, windows	✔	✔				Pine, white oak, mahogany	100%
McIlvain Co. 800-523-4231; Fax: 800-232-1798 www.alanmcilvain.com Marcus Hook, PA 19061	Source of quality hardwood lumber, millwork, and custom moldings.	Free		✔													80%
McLean Woods 505-983-2644; Fax: 505-820-2941 551 W. Cordova Rd., #184 Santa Fe, NM 87501	Hand-crafted architectural specialties, featuring custom doors in Honduran mahogany with custom hand-forged hardware.	Free Write in No. 3177									✔	✔		✔		Honduran mahogany	90%
Michael Reilly Design 631-208-0710; Fax: 631-208-0711 www.michaelreilly.com Calverton, NY 11933	Fabricator of high-end custom wood windows and doors, cabinetry, and architectural woodwork.	Free Write in No. 9210		✔						Windows	✔			✔	French, pocket	All species	100%
Mountain Lumber Co. 800-445-2671; Fax: 804-985-4105 www.mountainlumber.com Ruckersville, VA 22968	100% reclaimed antique woods rescued from 18th- and 19th-century factories, mills, rural buildings, and maritime structures. All material kiln-dried in own kilns, pre-squared, and available prefinished.	Free Write in No. 7140					✔			Flooring, mantels, rough lumber, beams, stair treads, counter tops, custom millwork						Longleaf heart pine, American red & white oak, Russian oak, American chestnut, yellow pine, "Tidewater" pine & cypress	80%
New York Bars & Backbars 800-338-0544; Fax: 212-625-0980 www.newyorkbars.com New York, NY 10012	Source of Turn-of-the-Century, solid-wood bars and backbars; also, authentic French bistro bars and traditional pewter "zinc" tops.	Free Write in No. 2501							✔	Antique bars, backbars, & restaurant specialties							10%
Northeast Millwork Corp. 401-624-7744; Fax: 401-624-8118 500 Eagleville Road Tiverton, RI 02878	Supplier of antique heart pine, old-growth recycled timbers, fir, chestnut, and pine. Manufacturer of flooring, stair treads, handrails, cabinetry, fine millwork, and moldings.	Free Write in No. 2794		✔			✔	✔		Stair treads, handrails, flooring							90%
Oak Leaves Studio 888-621-2506; Fax: 831-659-3843 www.redshift.com/~oakleaves/index.html Carmel Valley, CA 93924	Artistic interpretation and design of one-of-a-kind entryways evolved out of client consultation. Doors feature high-relief carved-wood panels, for private clients, interior designers, and architects worldwide.	Free				✔	✔					✔				Hardwoods	100%
Old World Mouldings, Inc. 631-563-8660; Fax: 631-563-8815 www.oldworldmouldings.com Bohemia, NY 11716	Manufacturer of hardwood moldings and architectural wood carvings. Specialist in custom reproductions and renovations. Over 400 profiles in stock.	Free Write in No. 274		✔		✔							✔			Hardwoods	50%
Passaic Millwork 973-772-9013; Fax: 973-458-0431 www.resources.cmgnews.com Passaic, NJ 07055	Custom circular, elliptic, spiral, curved, & straight stairs, rails, & parts; columns, moldings, radius work, turnings, & fluting; clear & finger-joint pine moldings in stock; also, poplar & oak & MDF hand-carvings.	Free Write in No. 3340	✔	✔			✔	✔	✔	Stairs, turnings	✔			✔			75%

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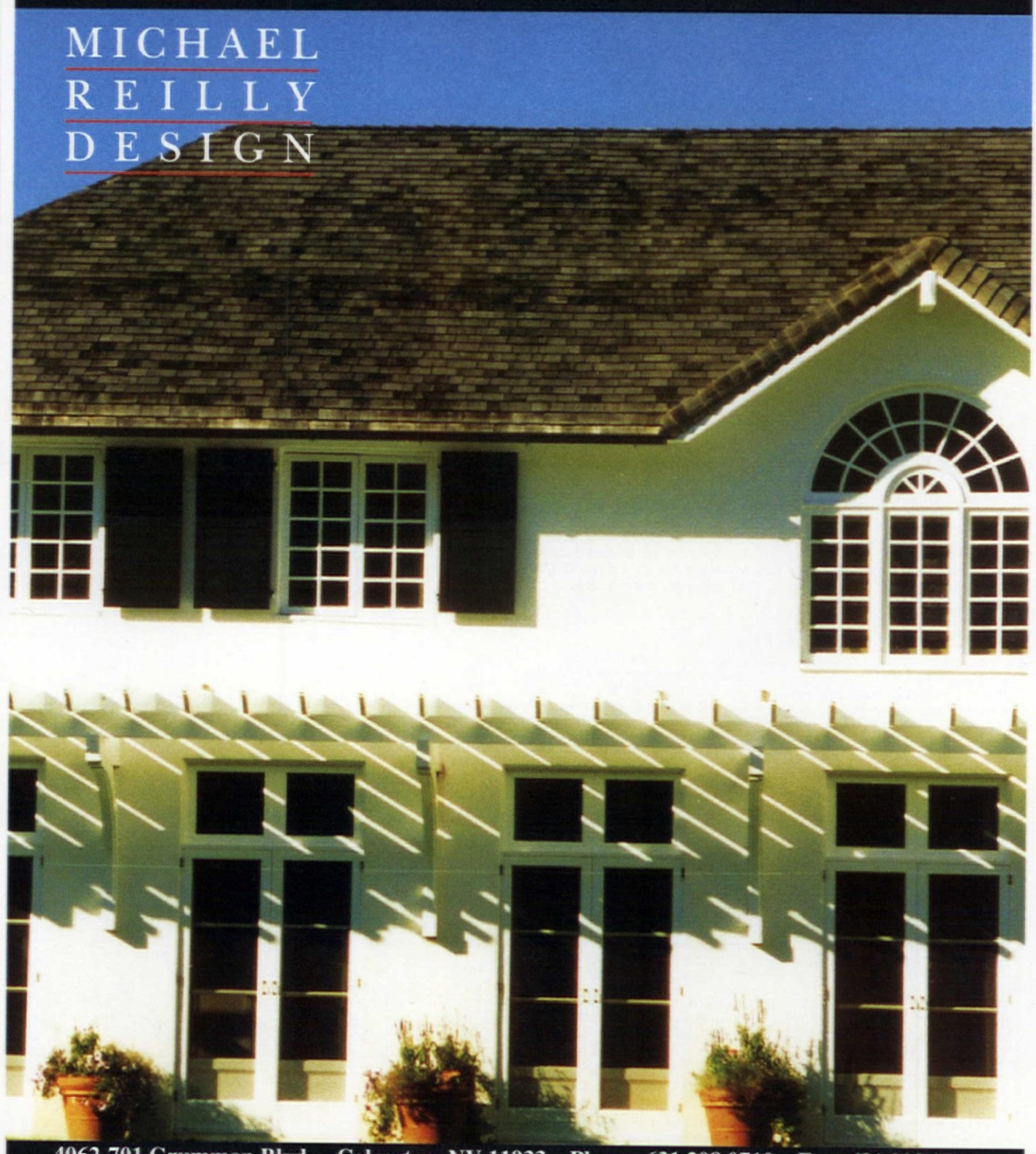

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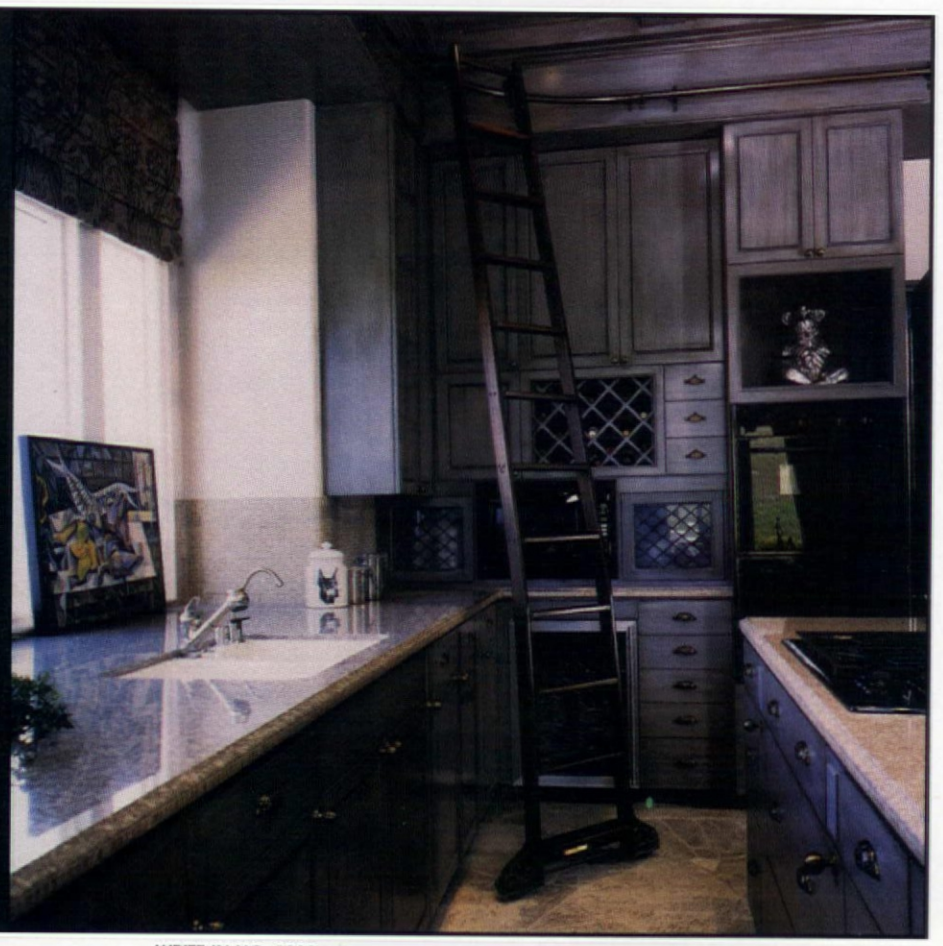

WRITE IN NO. 1282

TRADITIONAL BUILDING'S *SourceList for* PANELING, CASEWORK, MOLDINGS & DOORS

CSI# 06410

COMPILED BY COLE GAGNE

COMPANY	SPECIALTY	Literature	INTERIOR WOODWORK								WOOD DOORS					Wood Species	% Custom
			Door & Window Casing	Moldings	Built-In Furniture	Wood Carvings	Paneling	Casework	Complete Packages	Other	Paneled	Carved	Fire-Rated	Complete Entryways	Other		
Pioneer Millworks 800-951-9663; Fax: 716-924-9962 www.pioneermillworks.com Farmington, NY 14425	Firm creates high-quality reclaimed wood flooring, doors, molding, timbers, furniture, cabinetry, and stair parts from timber sourced from old building sites and barns.	Free Write in No. 6370		✔			✔			Flooring, ceilings	✔					Oak, heart pine, white pine, Douglas fir, redwood	80%
S&S Craftsmen Inc. 800-922-9663; Fax: 813-248-5046 www.s-scraftsmen.com Tampa, FL 33675	Manufacturers of over 1,300 molding profiles; CAD library on cd-rom available free to architects & interior designers. Also turnkey woodworking projects, from CAD-engineered shop drawings to finishing & installation.	Free	✔	✔	✔		✔	✔	✔	Distributor of Weathershield windows	✔					Most species	90%
Schwerd Mfg. Co., A.F. 412-766-6322; Fax: 412-766-2262 3215 McClure Ave. Pittsburgh, PA 15212	Column specialist: Standard and custom wood columns and pilasters for paint or stain finishes; several styles of ornamental capitals available; can match existing columns. Aluminum bases available for even-diameter exterior columns.	Free Write in No. 1610								Columns & capitals						Pine	90%
Shutter Depot 706-672-1214; Fax: 706-672-1122 www.shutterdepot.com Greenville, GA 30222	Interior and exterior custom and stock shutters; 2-1/2-in. movable louver; raised-panel and fixed louver; finished or unfinished. Also, shutter hardware.	Free Write in No. 6830								Shutters							75%
Sonrise Woodcarving Studio 845-331-8692; Fax: 248-479-5272 www.sonrisewoodcarving.com Kingston, NY 12401	Premium-grade millwork and molding; hand-crafted doors, entryways, and windows; design and space planning; custom cabinetry and furniture; hand-carved and turned woodwork, fine veneering, and finishing services.	Free	✔	✔	✔	✔	✔	✔	✔	Specialty veneering	✔	✔	✔	✔	Specialty & over-sized	All species	90%
Superior Moulding, Inc. 800-473-1415; Fax: 818-376-1314 5953 Sepulveda Blvd. Van Nuys, CA 91411	Array of standard and non-standard moldings and related finish materials in any size, style, shape, and species; short turnaround times.	Free Write in No. 138	✔	✔			✔	✔		Columns, ornament, stair parts, registers, butcher blocks, windows	✔				Slab door	As specified	55%
T.P. Higgins Co. 225-695-6006; Fax: Same as phone www.eatel.net/~antqpine/ Prairieville, LA 70769	Manufactures antique wood flooring in species of your choice. Custom sizes from samples, photos, specs. T&G up to 12 in. wide. Wholesale brokerage service available.	Free Write in No. 2778								Beams, flooring, stairs						Longleaf pine, white pine, chestnut, oak, Douglas fir	75%
The Woods Company 717-263-6524; Fax: 717-263-9346 www.thewoodscompany.com Chambersburg, PA 17201	Wide-plank flooring from new woods & remilled antique woods (heart pine, oak, chestnut, white pine); brush-textured flooring; stair parts; antique beams; floor decking; exposed-beam ceiling & joist systems; antique foundation stone.	Free Write in No. 5600		✔			✔			Flooring, beams, stair parts						Antique oak, chestnut, heart pine, yellow pine, white pine; new pines & hardwoods	75%
Timberlane Woodcrafters 800-250-2221; Fax: 215-616-0753 www.timberlane-wood.com North Wales, PA 19454	Manufacturer of exterior wood shutters and shutter hardware, offering over four different raised-panel profiles and five different louver blades, as well as board-&-batten and numerous flat-panel styles.	Free Write in No. 1056								Shutters						Western red cedar	50%
Vintage Woodworks 903-356-2158; Fax: 903-356-3023 www.vintagewoodworks.com Quinlan, TX 75474	Extensive selection of wood porch parts, including turned posts, turned and sawn balusters, railings, brackets, corbels, custom-length spandrels, and more. 224-page Master Reference Catalog; 208-page Porch Design Book.	Free Write in No. 1061		✔						Stairs & parts, mantels, corner beads						As specified	20%
VisionCraft 918-836-8014; Fax: 918-836-8015 www.visioncraft-usa.com Tulsa, OK 74110	Specialist in customized replication of architectural ornaments in wood and stone. 3D laser scanning on site; customized furniture.	Free Write in No. 2673	✔	✔		✔	✔		✔	Stair parts, beams	✔	✔		✔		Wide variety	100%
Vixen Hill Shutters 800-423-2766; Fax: 610-286-2099 www.vixenhill.com Elverson, PA 19520	Blind-pocketed and teak-pegged (no glue) shutters. Custom sized in over 15 styles or louver-and-panel; pair sizes to 6 ft. x 10 ft.; large selection of shutter hardware. Also, modular porch system with many architectural inserts.	Free Write in No. 1230								Shutters						Western red cedar	100%
White River Hardwoods-Woodworks 800-558-0119; Fax: 501-442-0257 www.mouldings.com Fayetteville, AR 72701	Over 450 hardwood moldings in stock: decorative embossed MDF, ornamentally embossed & traditional smooth hardwoods, Mon Reale sculptured hardwood molding. New authentic hand-carved woodcarvings in 45 styles. Curved work a specialty.	Free Write in No. 1099		✔		✔			✔							Poplar, other species as specified	15%
Wilbur, Frederick - Woodcarver 804-263-4827; Fax: 804-263-5958 P.O. Box 425 Lovingston, VA 22949	Woodcarver specializes in traditional decorative carving for interiors and exteriors: furniture, mantels, moldings, friezes, column capitals, rosettes, and heraldry. Creates original designs and historically accurate reproductions.	Free Write in No. 1650		✔		✔						✔				All species	100%
Wine Cellar Innovations 800-229-9813; Fax: 513-979-5280 www.winecellarinnovations.com Cincinnati, OH 45226	Designer and manufacturer of custom wine cellars and wine racks for homeowners, wine stores, grocery stores, wine wholesalers, and vineyards; Auto-CAD design service.	Free Write in No. 2910								Custom wine cellars							80%
Wood Factory 936-825-7233; Fax: 936-825-1791 111 Railroad Street Navasota, TX 77868	Historically accurate millwork reproductions, interior & exterior: doors, screen doors, benches, stair parts, railings, porch parts, custom-turned column bases, newels, and more. Specialist in custom matching existing parts.	Free Write in No. 7120	✔	✔						Custom turnings & newels	✔	✔		✔		All species	90%
Wood-Mizer 800-553-0219; Fax: 317-273-7024 www.woodmizer.com Indianapolis, IN 46214	Manufacturer of high-quality red-oak and poplar moldings; custom profiles available.	Free Write in No. 712		✔						Sawmills & sawmill accesories						Red oak & poplar	50%
Woodline Co. 562-436-3771; Fax: 562-436-8891 1521 W. 14th St. Long Beach, CA 90813	Architectural wood products: wood carvings and corbels, stair parts, finials, balusters, newels, rosettes, columns, capitals, and posts. All made in oak, poplar, and alder; special orders in other species available.	Free Write in No. 5240		✔		✔				Stair parts, ornament						Oak, alder, poplar	50%
Woodstone Co. 802-722-9217; Fax: 802-722-9528 www.woodstone.com Westminster, VT 05158	Manufacturer of fine custom wooden windows & doors. Coped mortise-&-tenon joinery. All window & door shapes, sizes, configurations. Choice of wood species & hardware. Historical & landmark specifications.	Free Write in No. 8430								Windows	✔	✔		✔	French, louvered, pocket, art glass	As specified	100%

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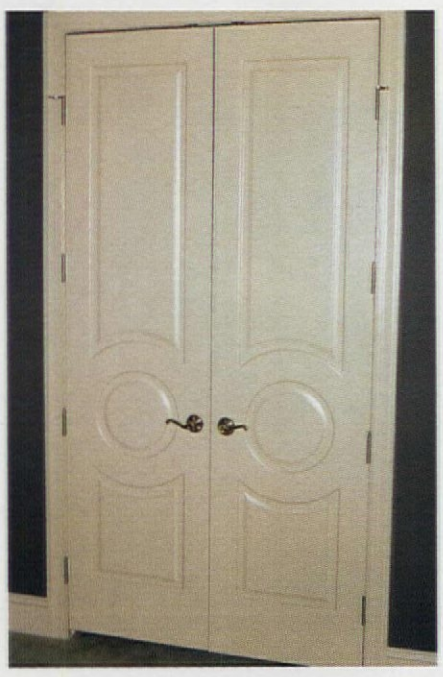
INTERIOR WOODWORK PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 92-98.

Made-to-order, deeply cut, embossed wood moldings are one of the many traditional wood products available from A. LEWIS MFG. *Write in No. 818*

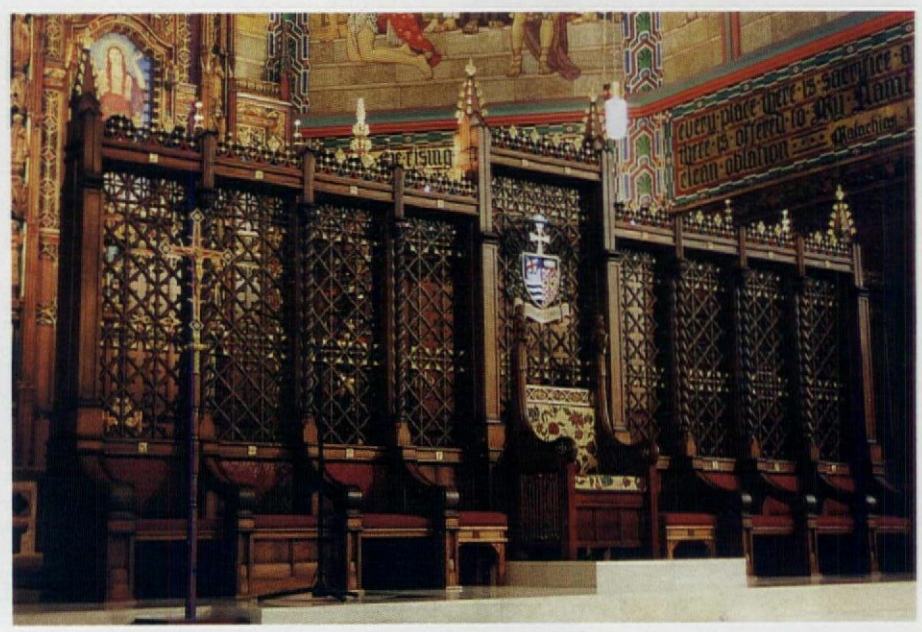
Along with custom millwork, ACCENT ARCHITECTURAL MILLWORKS also produces wood windows and doors. *Write in No. 1248*

ACMI hand-crafted this interior in solid walnut, from the baseboards and chair rails to the door and window casings and ceiling cornices. *Write in No. 6780*



These traditional panel doors were fabricated in MDF by BOLECTION DOOR. *Write in No. 519*

DRUMS SASH & DOOR custom-made this extra-wide, multiple-lite doorway. *Call 570-788-1145 for information*



AGRELL & THORPE produced this spectacular Bishop's Screen for the Cathedral of the Madeleine in Salt Lake City. *Write in No. 90*

This mahogany interior from ANDY THORNTON LTD. features curl cut, raised and fielded panels, and incorporates such elements as alcoves, an ornate carved fireplace, carved lattice arches, cupboards, fluted columns, and corbels. *Write in No. 2756*

ARCHITECTURAL PANELING custom designed and built this Louis XV-style law office, which boasts hand-carved, scrubbed red-oak panels and valances, a coffered ceiling with egg-&-dart molding, and an ornate desk with a leather insert. *Write in No. 6490*

This carved wood "Marine Molding" from RAYMOND ENKEBOLL DESIGNS measures 5-3/4 in. wide x 1-1/4 in. thick and features fish, sea horses, starfish, and sea urchins in a 24-in. repeat. *Write in No. 5770*

HENDRICKS WOODWORKING's custom radius crown moldings for arches and level curves are designed to complement cabinet and architectural-woodwork applications. *Write in No. 3570*

Hardwood rope moldings from JMS WOOD PRODUCTS are available in diameters up to 3 in. and lengths up to 15 ft. *Write in No. 6320*

FREDERICK WILBUR - WOOD-CARVER created this hand-carved grapevine molding for the reredos of the Grace & Holy Trinity Cathedral of Kansas City, Mo. *Write in No. 1650*

CUSTOM MADE TRADITIONAL & CONTEMPORARY
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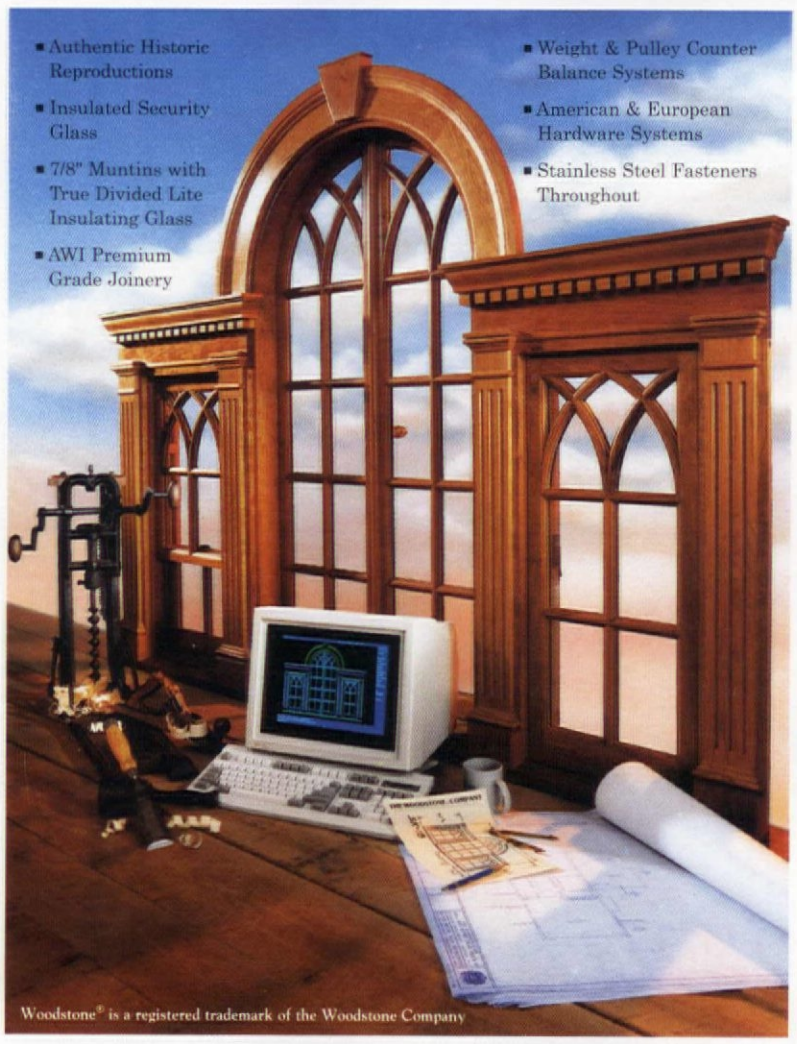

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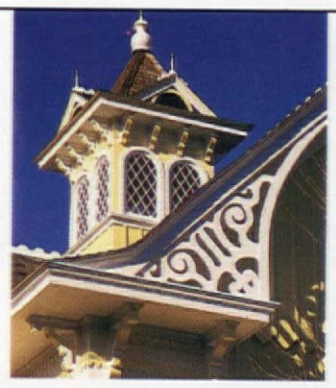

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INTERIOR WOODWORK PORTFOLIO

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This full-panel interior door was fashioned in mahogany by GRABILL WINDOWS & DOORS. *Write in No. 1910*

OLD WORLD MOULDINGS supplied the millwork and moldings which create a Classical look for this interior. *Write in No. 274*

Hand-crafted timberframing with traditional mortise-&-tenon joinery is the specialty of ARCHITECTURAL TIMBERWORKS. *Write in No. 592*

For this paneled balcony, HULL HISTORICAL MILLWORK used a total of 60 ft. of longleaf yellow pine paneling, curved on both sides. *Write in No. 3016*

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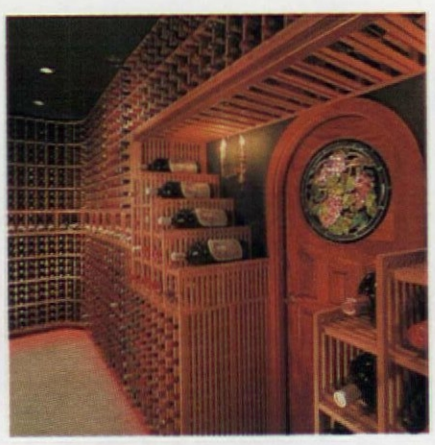
Leaves, vines, grapes, birds, and even fish can be found populating this imaginative panel screen hand-carved by DIMITRIOS KLITSAS. *Write in No. 7380*

The DuBarry wall unit from GREGOR'S STUDIOS features trumeaux, pilasters, and a mantel, and stands 99 in. wide x 120 in. tall. *Write in No. 2654*

Along with wood shakes and shingles, BEAR CREEK LUMBER also produces interior woodwork. *Write in No. 521*

Solid-wood handrails and chair rails from KOROSEAL include an integrated vinyl bumper, available in a range of colors. *Write in No. 3046*

This barrel-back corner cabinet, created by MAURER & SHEPHERD, JOYNERS, features reeded and fluted detailing and pilasters with Connecticut Valley roses. *Call 860-633-2383 for information*



FINE WINE RACK & CELLAR CO. has created unique showcase wine cellars for wineries, hotels, and restaurants, as well as private residences. *Write in No. 150*

All the woodwork for this interior, the 18th-century-styled kitchen of the Nathan Hale homestead in Coventry, Conn., was handmade by KRONENBERGER & SONS. *Write in No. 536*

Wood shutters from KESTREL MFG. are made to measure to serve as cabinet, closet, and entranceway doors as well. *Write in No. 7990*

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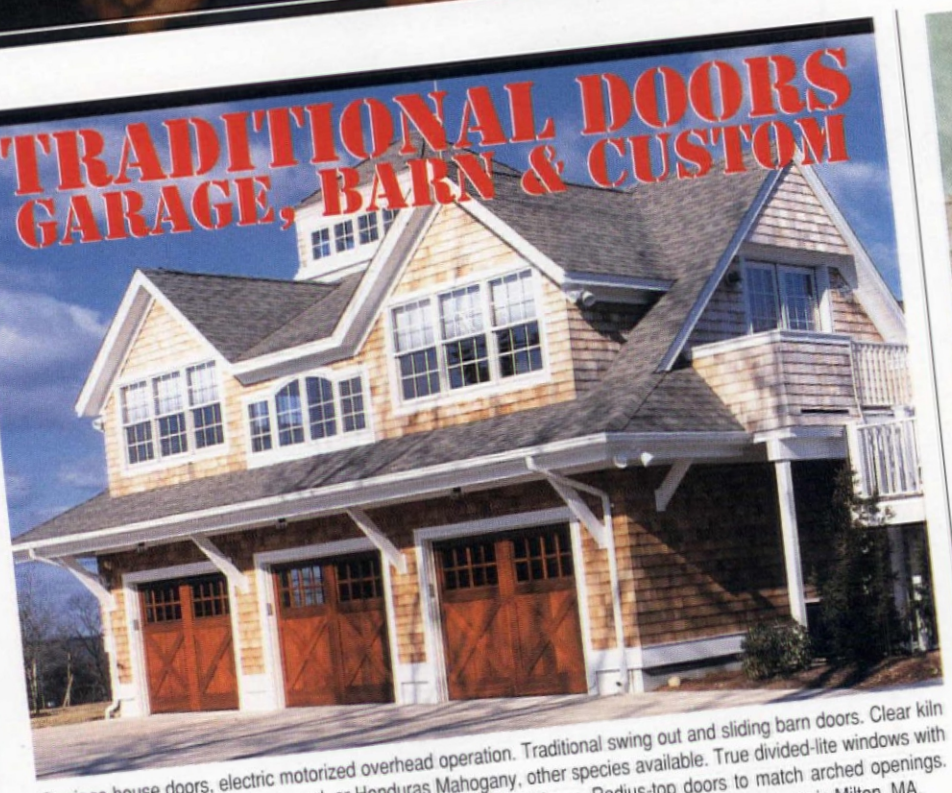

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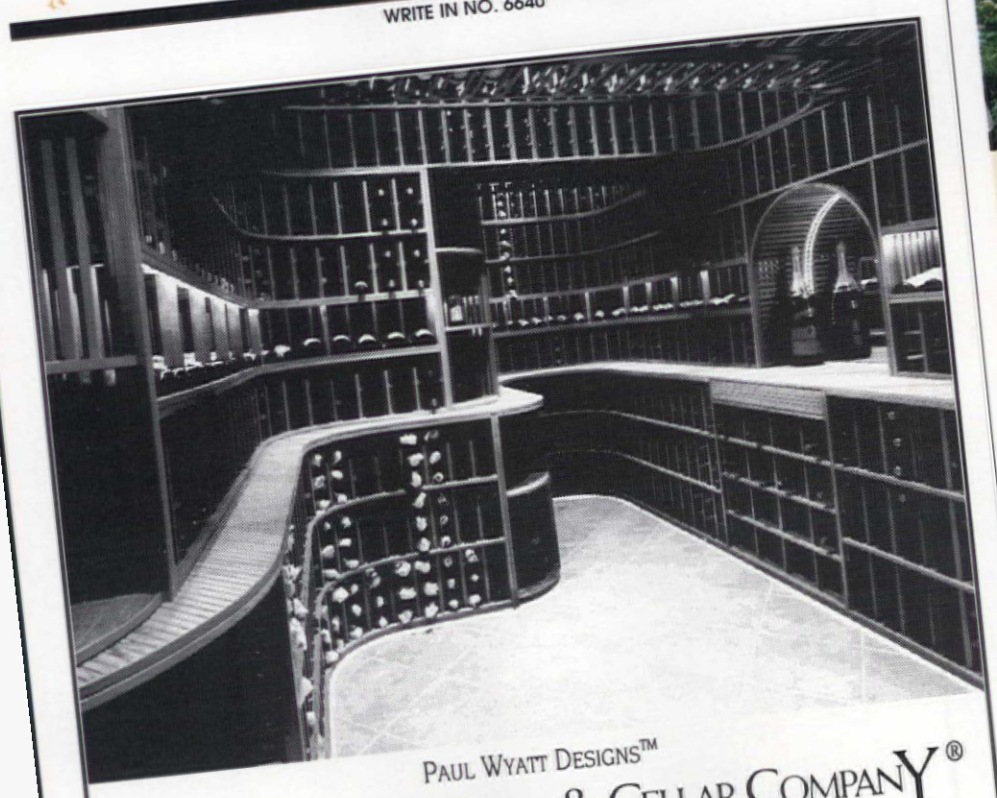

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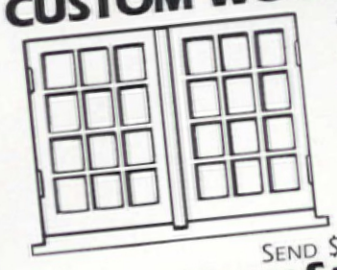

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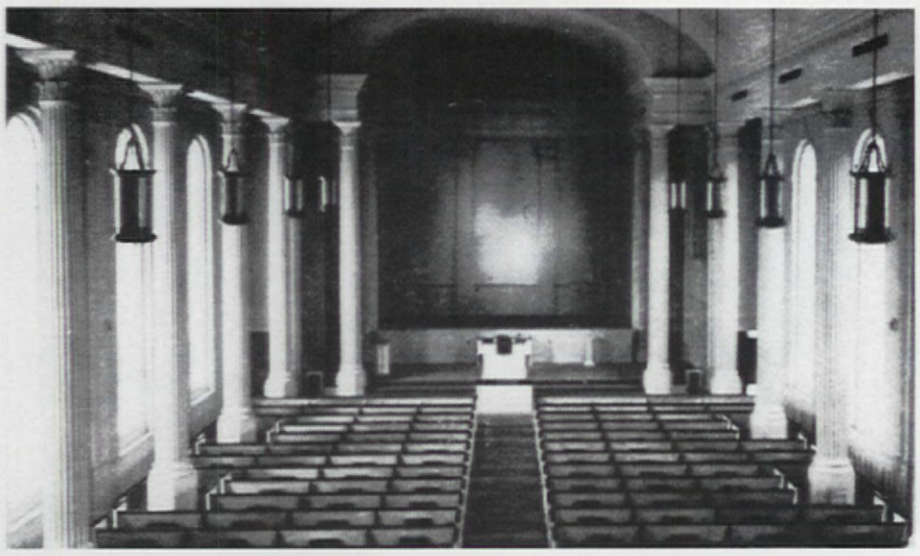
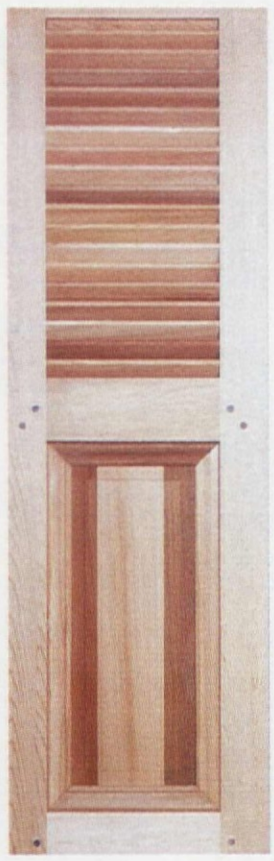


The First Presbyterian Church in Johnson City, Tenn., turned to SCHWERD MFG. for these 24-in.-x-24-ft. columns. *Write in No. 1610*

The design and manufacture of custom wine cellars and racks is the specialty of WINE CELLAR INNOVATIONS. *Write in No. 2910*

WHITE RIVER HARDWOODS-WOODWORKS supplied the attractive and intimate woodwork for this conference room. *Write in No. 1099*

THE WOOD FACTORY created this door and casing with fancy plinth blocks and a patterned-glass panel. *Write in No. 7120*



The "Nockamixon" shutter, #UB8000 from TIMBERLANE WOODCRAFTERS, combines louvers with a panel. *Write in No. 1056*

This capital from WOODLINE is available in oak (#CP-103) or alder or poplar (#CP-203). *Write in No. 5240*

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This interior glass door, item #7143 from VINTAGE WOOD WORKS, provides privacy for this office without cutting off its occupants from the rest of the work environment. *Write in No. 1061*

Relief panels, such as this deer image, are a specialty of VISIONCRAFT. *Write in No. 2673*

Western red cedar shutters from VIXEN HILL MFG. are available in fixed-louver and raised-panel styles. *Write in No. 1230*

CENTURY WOODWORKING supplied the casework for this clubby paneled interior.

CONNECTICUT HARDWOODS supplied mahogany hand- and machine-carved woodwork and arched panels for this restored New York City brownstone entry.

The hand-carved river otters, stained glass, and sliced agates used in this 7 ft. x 3 ft. 6 in. door create a highly personal entryway in cherry wood, fabricated by OAK LEAVES STUDIO.

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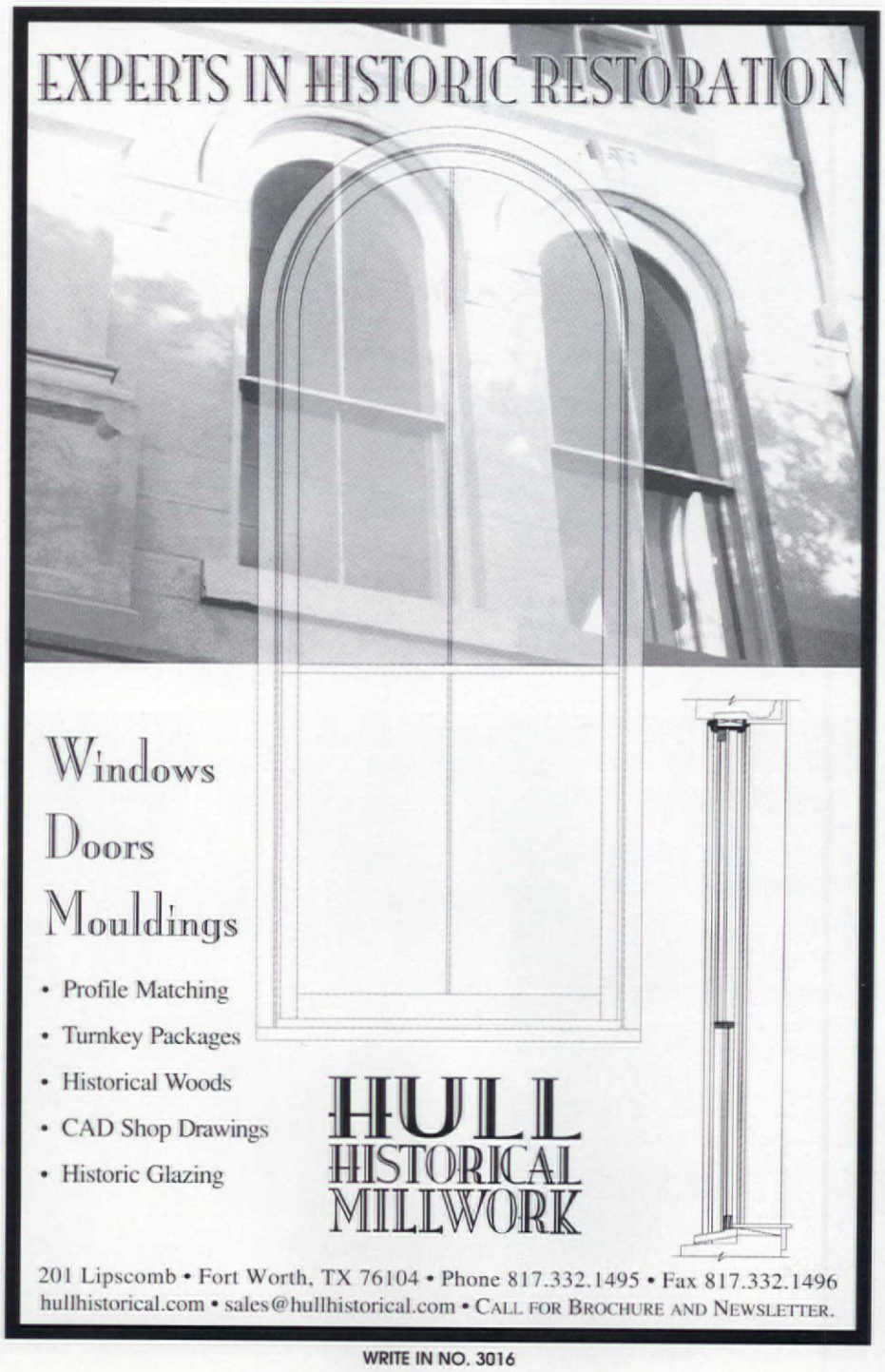

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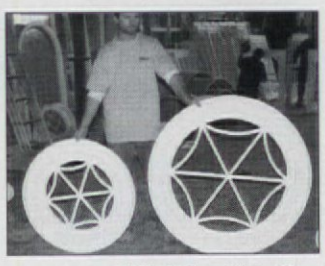

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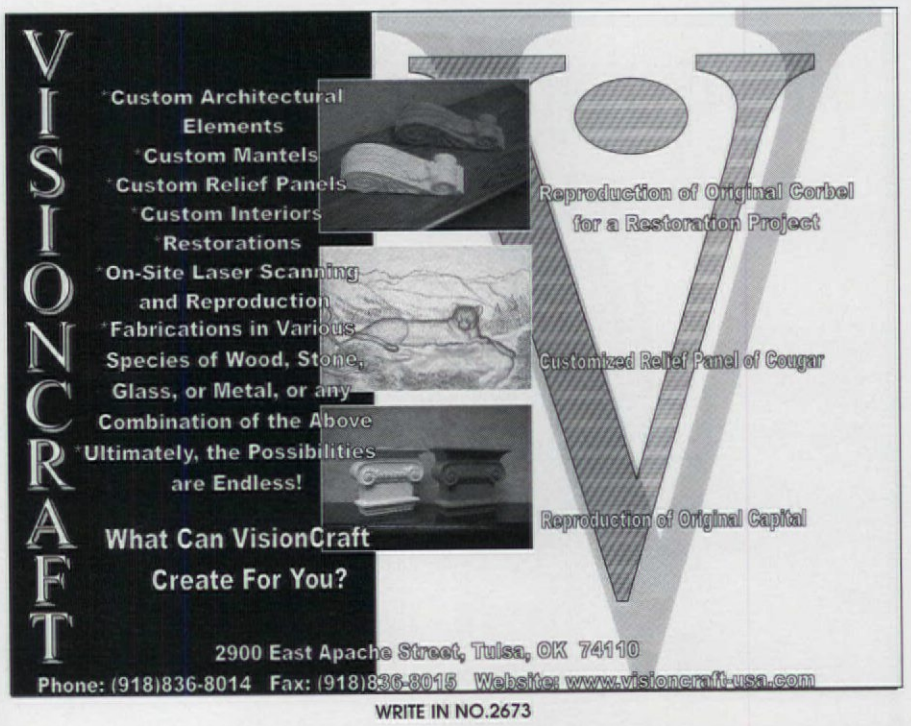

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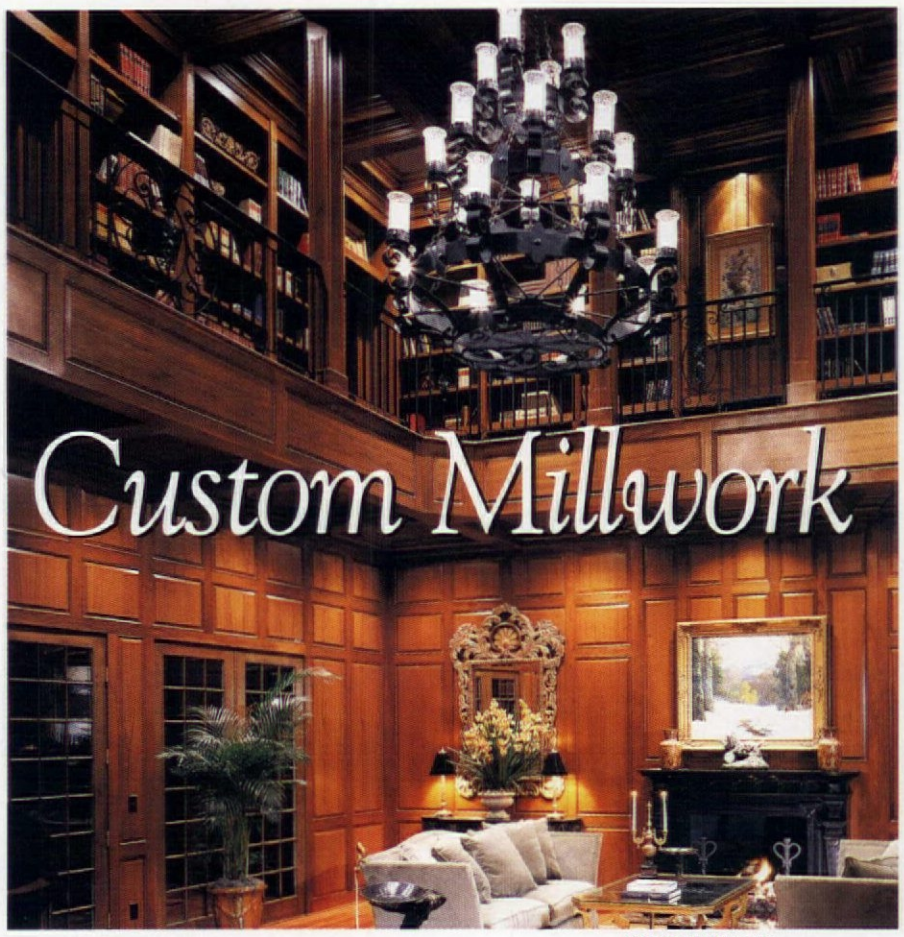

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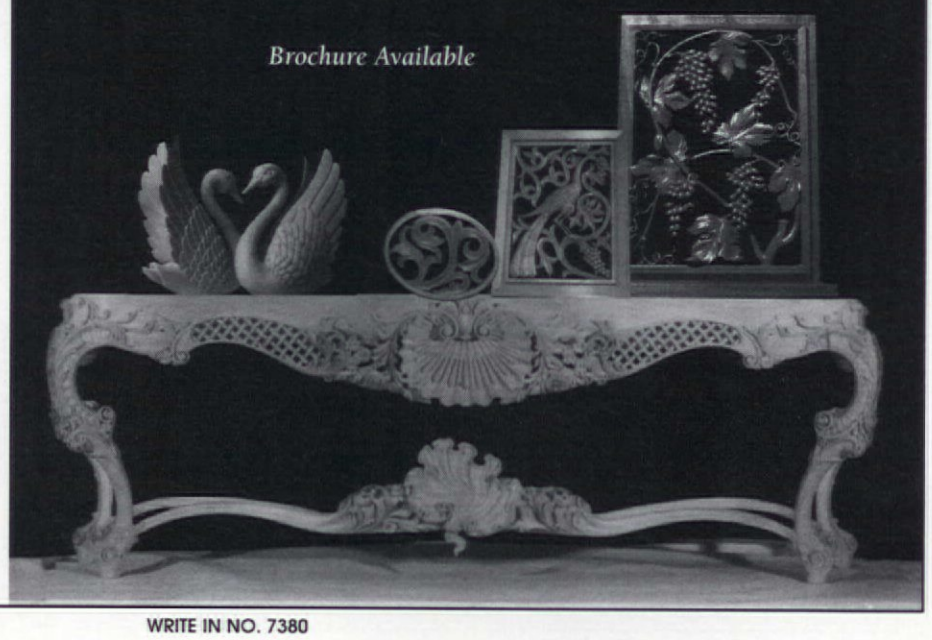

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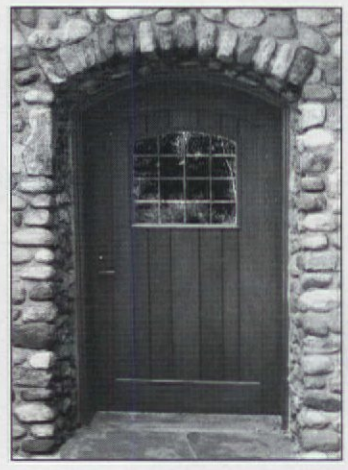

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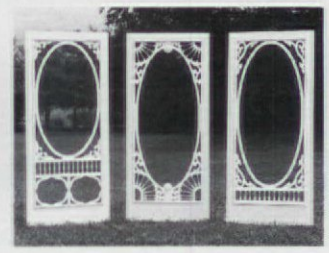

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SourceList *118-120*
Portfolio *122-126*

AMERICAN SCAGLIOLA: PRESERVING THE LEGACY

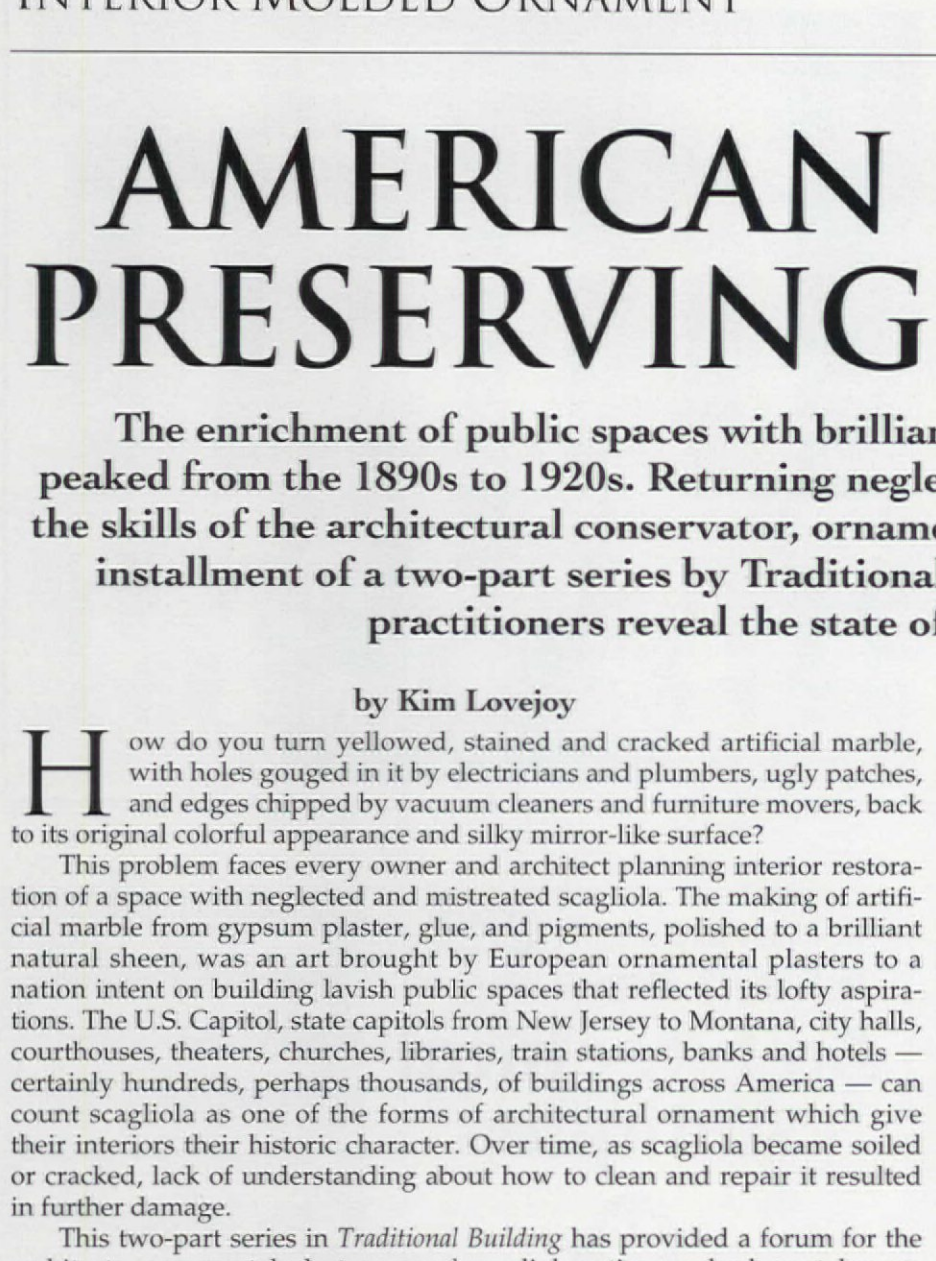
The enrichment of public spaces with brilliant artificial marble columns and paneled walls peaked from the 1890s to 1920s. Returning neglected scagliola to its original magnificence calls on the skills of the architectural conservator, ornamental plasterer and decorative artist. In the second installment of a two-part series by Traditional Building's correspondent, America's foremost practitioners reveal the state of the art in scagliola restoration.

by Kim Lovejoy

How do you turn yellowed, stained and cracked artificial marble, with holes gouged in it by electricians and plumbers, ugly patches, and edges chipped by vacuum cleaners and furniture movers, back to its original colorful appearance and silky mirror-like surface?

This problem faces every owner and architect planning interior restoration of a space with neglected and mistreated scagliola. The making of artificial marble from gypsum plaster, glue, and pigments, polished to a brilliant natural sheen, was an art brought by European ornamental plasters to a nation intent on building lavish public spaces that reflected its lofty aspirations. The U.S. Capitol, state capitols from New Jersey to Montana, city halls, courthouses, theaters, churches, libraries, train stations, banks and hotels — certainly hundreds, perhaps thousands, of buildings across America — can count scagliola as one of the forms of architectural ornament which give their interiors their historic character. Over time, as scagliola became soiled or cracked, lack of understanding about how to clean and repair it resulted in further damage.

This two-part series in *Traditional Building* has provided a forum for the architects, ornamental plasterers and scagliola artisans who have taken on projects around the country over the last 20 years, to share their observations about project management and standards of workmanship as they have evolved through research and practice. Its purpose is to give owners, and others responsible for the maintenance and restoration of historic interiors containing scagliola, an understanding of how this highest art form of the ornamental plasterer can be preserved in accordance with the Secretary of the Interior's Standards.



The Allen Country Courthouse in Fort Wayne, Ind. (1901, Brentwood Tolan, architect) has the largest collection of scagliola in the nation — 28 different kinds covering over 15,000 square feet. Restoration of Courtroom 3 was completed in 1999 by a team from EverGreene Painting Studios and Hayles & Howe, as part of their phased restoration of all of the scagliola in the courthouse, in progress through the end of this year. *Photo: Tom Gallihar © Allen County Courthouse Preservation Trust*

It's a banner year for scagliola. The multi-year restoration of the most extensive collection of scagliola in America by a team of ten artisans is nearing completion at the **Allen County Courthouse** (see photos this page), presenting a catalog of model techniques for cleaning and repairing original material, fabricating scagliola to replace missing sections, and bringing back the natural finish as it was originally done. (The classic polishing process, involving multiple episodes of stopping and rubbing with ever-finer stones, was explained in Part 1.) Other major projects completed in 1999-2000 illustrate a variety of problems and solutions:

Typical conditions before restoration at the Allen County Courthouse: badly cracked, broken and stained panels with old metal fixings visible from repair attempts decades ago. The good news is that the broken pieces were saved in place and are being reused. *Photo: Hayles & Howe.*

Montana State Capitol. As part of its overall restoration of decorative finishes in the Beaux-Arts-style building, artisans from EverGreene Painting Studios repaired cracks and patched holes in over 30 columns and pilasters, and renewed the natural finish, followed by a protective buffed carnauba-wax finish. The team also installed four replica columns and pilasters fabricated by David Hayles. James McDonald of Missoula was the architect.

Pennsylvania State Capitol. Flat panels in the grand lobby of the Speaker Matthew J. Ryan Legislative Office Building were cracked and warped. Novinger's, Inc., removed the panels, routed out the back, flattened them, reinforced with fiberglass backing, repaired cracks and reinstalled the panels. Sanding and a French polish (a luminous shellac finish applied in three stages) replicated the historic finish. Replica panels to reconstruct the balcony walls were fabricated with the assistance of scagliola consultant Ahmad Suleiman. Planning and design of the comprehensive restoration was by VITETTA.

Cathedral of St. Helena, Helena, Montana. Conrad Schmitt Studios and Lusack Brothers restored unstable scagliola columns that had gradually become cracked and detached from their support structure after an explosive train crash rocked Helena in 1989. Fiber-optic inspection with video recording was employed to document the condition of attachments to the substrate. The work involved reattachment with plaster wads and wire ties, crack repair, consolidation, patching, and infill with new molded scagliola. Surfaces were cleaned and coated with polish, sealant, and a clear siloxane surface enhancer.

Despite the flurry of projects, the number of artisans exclusively devoted to scagliola restoration in the U.S. in recent years can be counted on two hands. Artisans with some experience and varying levels of skill may number little more than 25. Fabrication, infill of cracks and patching require real artistry and technique to do well; cleaning, polishing and buffing demand laborious diligence and high standards to get superior results.

Identifying Scagliola: The First Step in Preserving It

A number of clues can be used to distinguish scagliola from genuine marble. Scagliola, made of pigmented gypsum plaster, stays at room temperature and is typically warmer to the touch than natural stone indoors, which retains cooler nighttime temperatures longer. Large cracks or detached

continued on page 112

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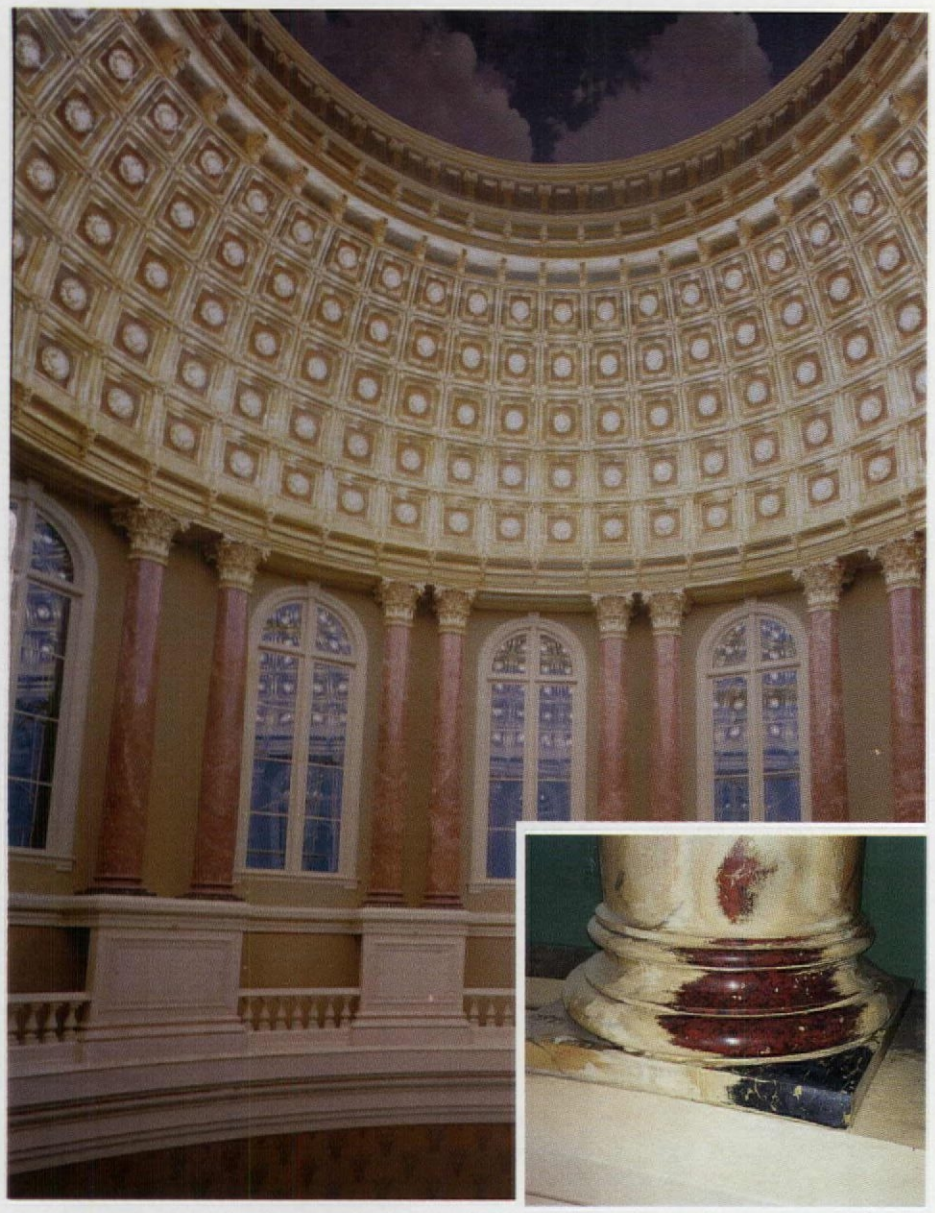
PRESERVING SCAGLIOLA, continued from page 110



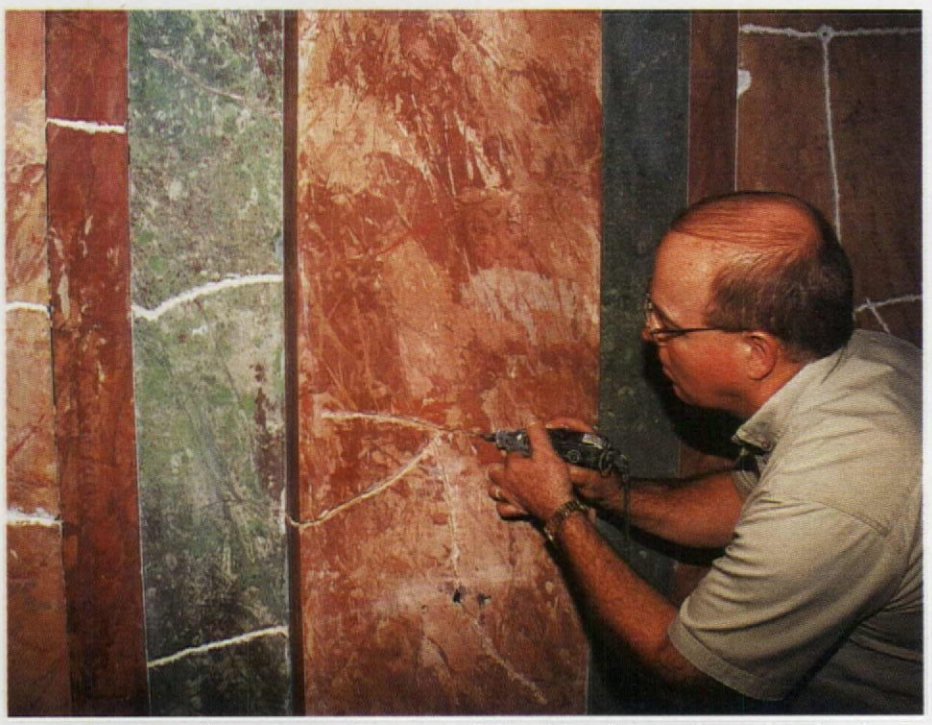
EverGreene stripped paint, repaired and refinished 24 scagliola columns around the rotunda balcony in the Iowa State Capitol, as part of the firm's restoration of Elmer Garnsey's decorative scheme of 1904. *Photo: RDG Bussard Dikis Inc*
[INSET] A test area of paint stripping and polishing by EverGreene on columns at the Iowa State Capitol revealed three different types of scagliola on the shaft, molded base and square plinth. *Photo: RDG Bussard Dikis Inc.*

pieces that reveal the internal plaster structure and backing of scagliola made from the marezzo technique make it obvious. Hairline crack patterns in scagliola differ from stress cracks in marble. When gently tapped, scagliola has a different sound than denser stone. One can often sense a void between a molded scagliola column and its support structure. Another clue is monolithic columns without joints; scagliola columns can be made in sections and the seams infilled to blend perfectly. The pattern can be a giveaway — much scagliola was made to look exactly like a variety of natural marbles, but some was made in outlandish colors and patterns that are not known in nature.

A Checklist: Does Your Scagliola Need Restoration?

Good-quality scagliola is physically robust and retains its beauty indefinitely in a hospitable environment. But soiled scagliola with cracks and gouges can look terrible, which is why it was sometimes painted over. At the Allen County Courthouse, Monty Brigner of the EverGreene team reports that "the surfaces were covered with nicotine. Wads of chewing tobacco left stains. People put their feet on columns and wore off corners."

Owners and building professionals can begin to assess the condition of scagliola in a historic building by looking for these frequently encountered problems:



Denny Newhart of EverGreene shows one of the tricks of the trade employed at the Allen County Courthouse. He cuts out lengthy cracks with a Dremel tool, making a jagged edge so that infill patching material and coloration can be seamlessly blended into the scagliola pattern. *Photo: Jeff Greene*

- Structural: Cracks; detachment from the walls or support structure; broken or rusted fixings; missing pieces; delamination of the surface from its background core; warping or shrinkage; water damage.
- Cosmetic: Bad patches and crack repairs that stand out as flaws, made with plaster, caulking, drywall or other materials of the wrong composition and color; overpaint; discoloration from historic coatings, soiling, stains, or previous "maintenance" coatings.

Temporary measures can be taken to preserve unstable scagliola for future repair. Matt Lusack of Lusack Brothers cautions owners not to rip out scagliola that is cracked or loose. Secure unstable scagliola in place using plastic or metal straps that won't scratch or rust, or removable tape. It's easier and less costly to reattach pieces and fill in cracks than to make matching infill pieces. Temporary patches can be made with plaster that must be softer than the scagliola, so they can be removed and redone properly later.

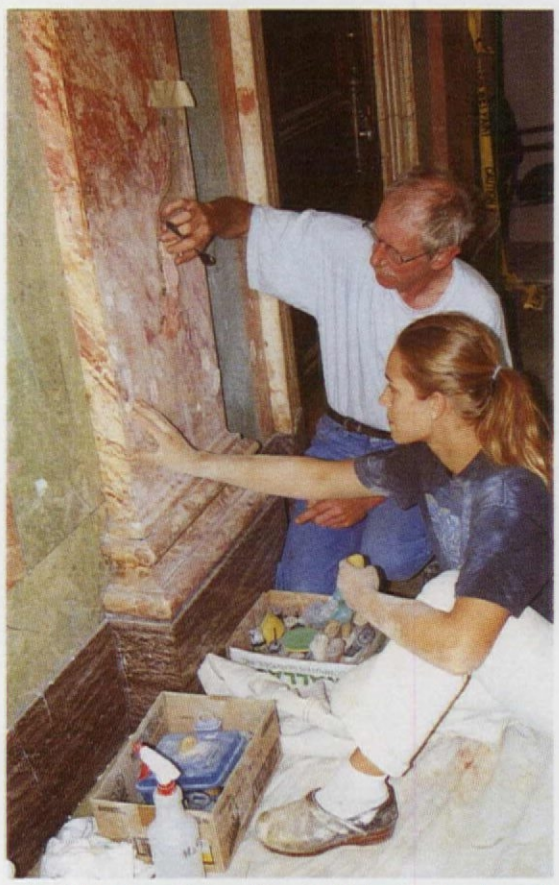
Once the extent of the problems is recognized and the potential aesthetic benefit of restoration understood, the process of developing a scope of work tailored to the building's needs, determining costs and choosing qualified artisans can go forward.

Managing Restoration Projects

"Very few architects have had any experience in overseeing scagliola restoration," says Jerome Alciatore AIA, CCS, FCSI, who has consulted on several projects over the last 20 years. "It's not in the everyday vocabulary of architects and contractors."

What do architects who have managed scagliola restoration projects have to say about the process in retrospect? Three architects shared their recommendations for structuring them in a low-bid procurement environment to ensure that work is performed according to preservation standards by competent firms: Alciatore of Alciatore Associates, Metairie, La., who consulted on the Mississippi State Capitol, the Post Office in Washington, D.C., and the Whitney Bank in New Orleans, among others; Scott Allen, AIA, of RDG Bussard Dikis, whose firm is supervising phased restoration at the Iowa State Capitol; and Michael Holleman, Studio Manager, Historic Preservation, VITETTA, whose firm directed comprehensive restoration and upgrading at the Speaker Matthew J. Ryan Legislative Office Building at the Pennsylvania State Capitol. Similar principles apply to private projects where owners have more freedom to choose who they want to do the work and may not even have an architect involved.

The concern about quality workmanship is nothing new. Back in 1929, standards for fabrication of new scagliola were the principal concern of Clifford Wayne Spencer in his article "Artificial Marble and Scagliola" in *The Architectural Forum*. "Ideally, the selection and supervision of a scagliola artisan should be under the direct control and supervision of the architect, with a cash allowance, as in a fine-arts procurement contract," he wrote, deploring the decline in quality that resulted from treating it as a low-bid item. Both architects and scagliola artisans today agree that restoration work should be directly controlled by the architect, not by a general contractor.



David Hayles and Angelique Bakalar check colors of pigmented patching samples they have made for matching a scagliola pilaster at the Allen County Courthouse. *Photo: Hayles & Howe*

Al Staehli, a preservation architect in Portland, Ore., who directed the restoration of scagliola columns at Portland City Hall in the early 1980s, recounts the story of a Portland theater renovation where there were no performance specifications or requalification requirements for restoring scagliola columns and wall panels. Instead of renewing the finish, the contractor painted over the scagliola in a faux-marble pattern!

1. Conditions Survey and Materials Testing.
"The conditions survey should be done by someone who knows the material," points out Jeff Greene, whose paper "Architectural Scagliola in Significant American Interiors," written for the Historic Interiors Conference II in 1990, discusses conditions surveys and repair options. Conditions surveys or more detailed conservation studies and testing are performed under the architect's supervision, and recommended scopes of work and treatments are incorporated into contract documents. Just as painting conservators who perform conservation studies are often hired to carry out the work with the assistance of technicians, scagliola specialists often fill this dual role of conservator/contractor.

A scagliola survey is like a stone survey. Its purpose is to determine structural stability and make assumptions about the amount and type of work needed: square feet of stripping of old coatings or paint; polishing; consolidation and/or mechanical reattachment; crack repair; minor patching; major patching where sections of matching new scagliola have to be made; and replacement of entire elements, such as columns, panels or moldings. If there are a lot of cracks and broken pieces, elevation drawings should

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PRESERVING SCAGLIOLA, continued from page 112

On the cleaned panel, David Hayles rubs down over an infilled crack with a wet stone before touching in color. The yellowed and cracked section on the left is the next to be tackled. *Photo: Hayles & Howe*

be marked up, with each element numbered and labeled, and keyed to a list of defects. Photographic documentation is essential. If the scagliola is in good shape and needs mainly cosmetic work, a survey can be less specific. Scaffolding may be necessary for survey and testing.

If the scagliola is painted over, Allen recommends engaging a decorative-finishes specialist to perform paint-removal tests. Standard paint and coatings analysis techniques used by conservators, combined with documentary research, can reveal what coatings were applied when, their significance, their condition, whether and how they can be safely removed, and what type of finish is recommended as part of restoration. Among the coatings that have been encountered are French polish (a shellac finish which was sometimes applied historically instead of producing the time-consuming natural finish); mastics; polyurethane; acrylics; and all manner of paints.

2. Scope of Work and Performance Specifications

From the findings of the survey and treatment recommendations, reach agreement with the owner about the scope of work to be performed and the desired result. The methods of artistry and craftsmanship should be left to the individual artisan. Architects say that they rely heavily on specifications for methodology provided by the scagliola artisans and incorporate them into bid documents. However, approaches of contractors differ and it is up to the supervising professional to make an informed judgment as to which treatments are appropriate for their building and what outcome is desired. Performance specifications should set forth quality standards in materials and workmanship.

3. Prequalification of Subcontractors

"Definitely prequalify contractors for public works," advises Alciatore. "Prequalify people who follow your specs, not those who substitute with 'value engineering' that cheapens the job (like painting faux marble)." Allen recommends requiring a range of years of experience, recently completed projects of similar scope, and satisfactory references. The architect should inspect completed work and understand standards of workmanship sufficiently to make an informed judgement. Adds Holleman, "only by prequalifying can you exercise design control by limiting subs to firms who you feel are worthy of the job. In a low-bid environment, as long as the successful low bidder provides information that the sub meets qualification requirements, you can't choose who they'll use." Do you want a contractor to learn on the job, on your historic scagliola?

4. Mock-ups on the Job Site

All three architects emphasize the importance of mock-ups to illustrate to bidders the standard of quality expected, and recommended keeping the mock-up in place throughout the job. Holleman explains, "it's important to define what you want to achieve: for example, what kind of finish is expected." Alciatore points out that it would be impractical and costly to have mock-ups of every repair technique, but specifications can spell out acceptable approaches. During construction supervision, the architect should inspect samples of different types of repair. "Shop drawings are important for fabrication work so that everyone has the same understanding of dimensions and configuration," he adds.

5. Protection During Construction

Much damage can be done to scagliola during interior construction work where it is not adequately protected, particularly where it is not recognized and not part of the scope of work. Explicit responsibility for protection of scagliola should be part of the general construction contract. Procedures should be communicated to all parties working on the site. A big offender is impact from equipment such as scaffolding and lifts, tools or furnishings. Terry Vanderwell, Director of Restoration at EverGreene, advises protecting scagliola from potentially damaging chemicals (such as caustic paint strippers) by covering it with plastic sheets. If construction or painting is going on in an adjacent space, close off doorways to keep out stray paint, dust and debris.

How to Evaluate Workmanship

What matters is the outcome: a work of beauty that will endure. Understanding the original appearance of scagliola as part of the historic decorative scheme is the best guide to making decisions about treatment.

The artisan's use of materials that are physically and aesthetically compatible with the historic scagliola is one part of the equation, calling upon a mastery of plaster and pigments, color and pattern, and classical techniques for fabrication of American marezzo. For many jobs, technicians must also be skilled in plaster-consolidation techniques developed by architectural conservators, as well as in coatings removal.

Removal of Coatings

Quality workmanship in removing finishes means avoiding damage to the surface such as burning from chemicals, discoloration or scratching.

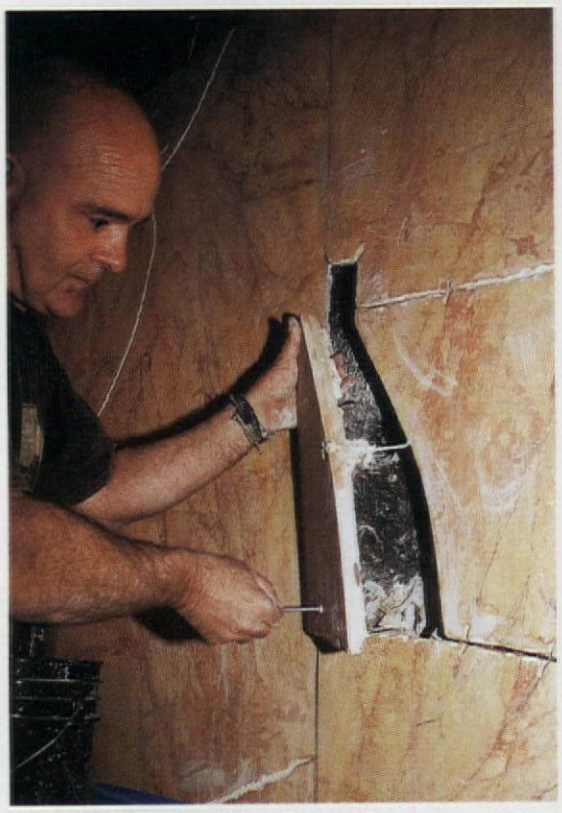
Terry VanderWell notes that shellac finishes that have yellowed over time are frequently cited for removal. Shellac can be wiped off with denatured alcohol, which dissolves it quickly. For safe paint stripping that will not damage the scagliola, he recommends an environmentally safe, relatively neutral solvent designed to remove paint from plaster. Among the manufacturers of these products are Back to Nature Products Co., Dumond Chemicals, Inc. (Peel Away 6 and 7), and Nutec Industrial Chemical, Inc. Never use sodium hydroxide-based or acidic strippers, he emphasizes. Spattered paint can often be scraped off with a razor blade.

"Linseed oil is notorious for yellowing over time and staining the surface, and is usually to be avoided in restoration work," remarks Jeffrey Greene. "But exceptions do exist. Our chemical analysis of scagliola at the U.S. Capitol confirmed our suspicion that linseed oil was used as a case hardener for the dark-colored true scagliola made in the 1850s by European ornamental plasterers. From our research on European scagliola over the centuries, we know that linseed oil was sometimes intentionally rubbed in and penetrates into the plaster. Consequently, when matching scagliola that was treated this way originally, we have to determine what type of linseed oil to use to achieve the same effect. If we have to re-create French polish on a job, we would normally use super-blonde shellac and a non-yellowing linseed oil."

Mechanical removal of coatings or stains by sanding is an acceptable option in certain situations because of the depth of scagliola.

Crack Repair, Patching, and Replacement Sections

Successful patching and infill starts with the right choice of materials that correspond to the original scagliola or marezzo technique. Fine Keene's cement (a form of gypsum plaster), animal glue and permanent mineral pigments are the fundamental elements. The goal is to achieve the same hardness and sheen as the existing scagliola.



Yewel Steinmetz of EverGreene demonstrates the method he and Denny Newhardt developed to reattach pieces at Allen County Courthouse. *Photo: Jeff Greene*

Artisans mix many batches of samples to "crack the code," finally choosing samples that match the different colors of the original scagliola pattern. It takes 2-3 weeks of drying time to reveal true colors. And the colors change upon polishing, too.

Cracks are prepared by cutting out grooves to a jagged V-shape. Detached pieces can be reused and loose scagliola around cracks and patches can be reattached using plaster consolidation and adhesion techniques. The backing is prepared and finally the infill scagliola is painstakingly applied to continue the pattern and veining that surrounds it. Color from the chosen batches are "touched in" over small repaired cracks with a palette knife. The color is gradually revealed through the process of stopping and honing.

It's normal to have to rout out and redo patches that don't match perfectly, says Greene. "It's the same procedure used in making pietra dura, the Italian inlaid scagliola prized for tabletops and decorative panels, in which ground colors are routed out and filled in with new material, like an intricate jigsaw puzzle."

Standards of quality workmanship cited by Hayles and Vanderwell:

- Notice the patches and cracks before and after — their color, pattern, and veining should match that of the surrounding material. Hayles says he can't find patches he made himself in previous jobs.

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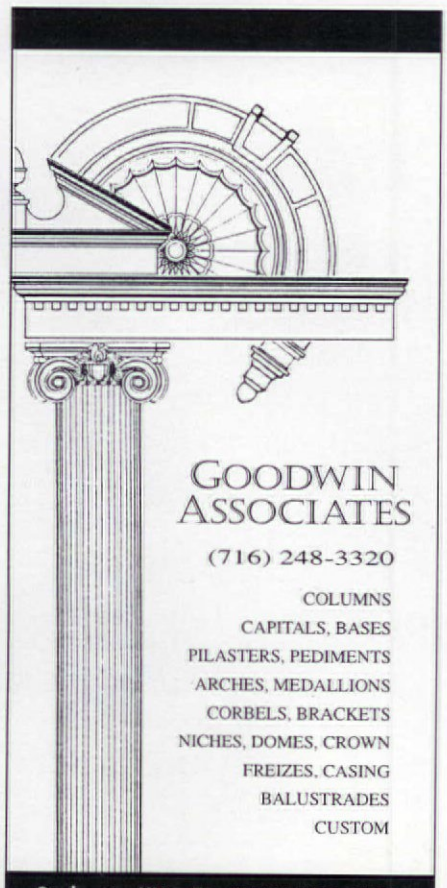

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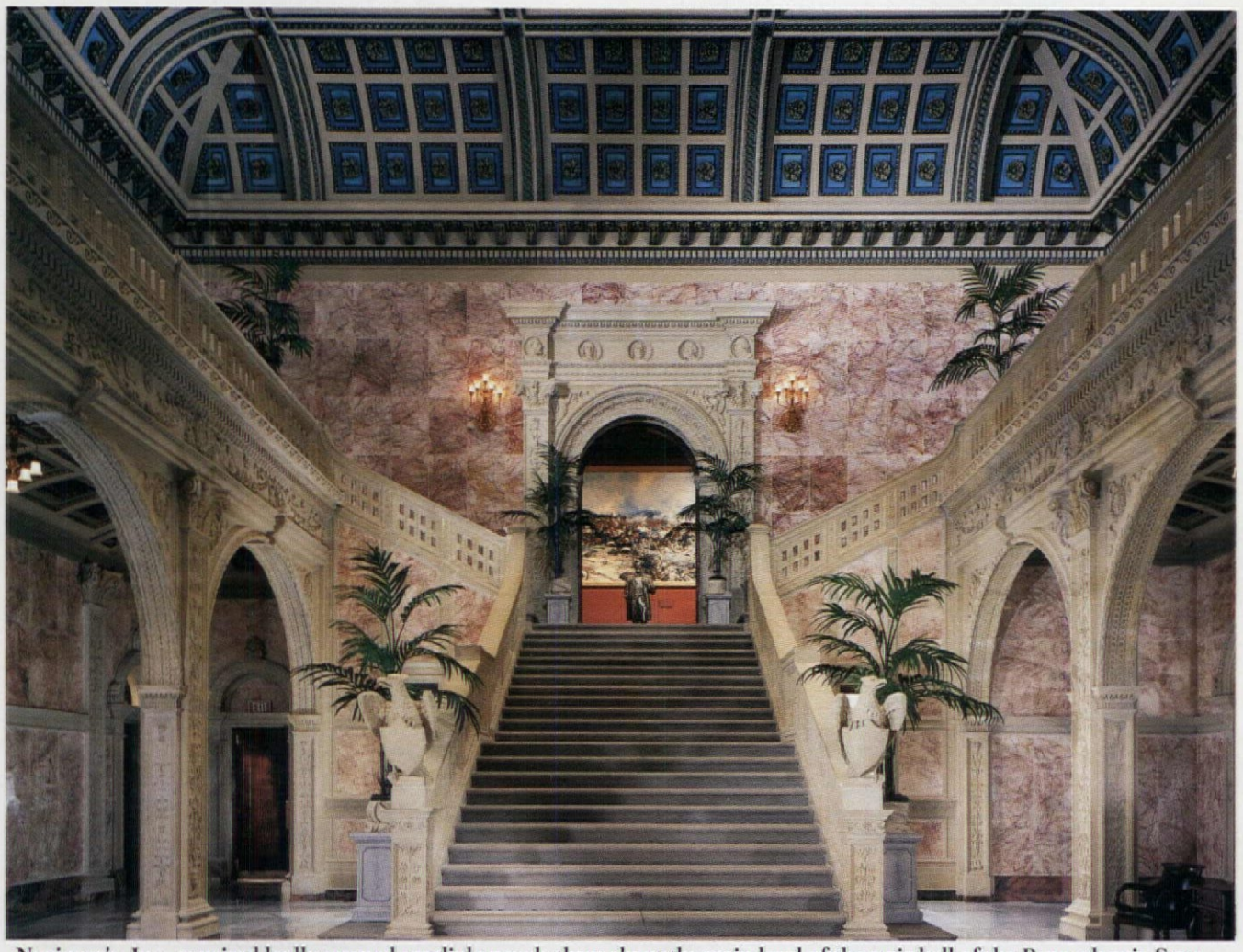

Novinger's, Inc., repaired badly warped scagliola panels throughout the main level of the stair hall of the Pennsylvania State Capitol Annex in Harrisburg (1893, John T. Windrim) and fabricated replica panels to reconstruct the balcony walls in 1999, with scagliola-consultant Ahmad Suleiman. The comprehensive restoration was directed by VITETTA. *Photo: Joanne Bening, courtesy VITETTA*

- There should be no voids, gaps or holes.
- Notice the consistency of sheen and its depth over all surfaces.
- The surface should be brought to a perfectly even plane, with no dips, and no crooked edges on mitred corners or moldings.
- Pattern and veining should continue around columns as on a monolith, with no visible joints where sections are joined. Similarly, on moldings the pattern and veining should appear marble-like and not drop away as can happen if silk skeins float to the top during casting.

Cleaning and Polishing

Not all scagliola requires major restoration. Scagliola that is sound, with minor hairline cracks and scratches, and no problematic coatings, may just need cleaning and polishing to regain its brilliance. For years, Mike Kempster, Master of Plaster Finishing Systems, did periodic maintenance of scagliola at the Boston Opera House prior to its restoration at the Wang Center, and performed similar work at other sites in the Northeast. Kempster says his technique is messy but not difficult: He rubs down the scagliola with fine-grit sandpaper and water, and uses polishing powders to clean off soiling and bring back the shine. He doesn't mind leaving minor surface cracks and scratches that show age, but repairs them if the owner is willing to pay for it.

Mike Kempster, Master of Plaster Finishing Systems, Inc., fabricated seven scagliola columns and restored two original columns in the lobby of 45 Milk Street, Boston, in the 1980s. The building had suffered from water damage during a decade of abandonment. He also fabricated Caen stone vaults and arches on the second floor and restored plaster finishes throughout. *Photo: Randolph Foulds*

Similar techniques and variations are used by other firms to clean surfaces. At Allen County Courthouse, where smoke stains accumulated over a century, the restoration team has been sanding them out successfully, using the same honing and polishing process employed to create the original finish. Deep tobacco stains are dug out and patched.

Just as masonry cleaning is carefully specified, tested and supervised, so too should the cleaning of scagliola. Mock-ups should be required using the proposed cleaning agents, honing compounds, sanding supplies and equipment. It is imperative that no scratching, discoloration or other damage occur as a result of cleaning attempts.

The final step in the process is polishing, which itself involves many steps of rubbing down with wet stones and stopping with pigmented plaster as described in Part 1. "It takes buckets of elbow grease," says Ed Magee of EverGreene.

David Hayles is adamant about maintaining the integrity of the natural polish in which the sheen comes entirely from the scagliola, not from any applied coating. The only additional finish he considers acceptable is a non-yellowing transparent microcrystalline wax, such as carnauba or marble wax, over surfaces subject to fingerprints and liquid spills.

French polish applied to some scagliola in the 19th and early-20th centuries was scorned as a short-cut by some writers of the day. If French polishing was the historic treatment, a decision may be made to continue with it even if it has to be reapplied after removal of yellowed coating. Coatings without historic precedent, such as varnishing, polyurethane or acrylic, are now widely considered to be unacceptable.

Maintaining scagliola once the surface has been restored is like caring for fine wooden furniture. Occasional dusting, buffing, and cleaning of fingerprints with furniture polish and a soft cloth is all that is needed. Brigner considers the controlled atmosphere in buildings now to be better for scagliola than the indoor environments of the past, where tobacco smoke, soot from coal heat, and temperature extremes caused soiling and cracking.

The Future of Scagliola

Scagliola restoration brings together the principles and techniques of architectural conservation with those of the ornamental plasterer and decorative artist. "It involves both conservation of the fabric and conserving a craft that very nearly got lost," remarks David Hayles. Jeff Greene likens the connoisseurship of scagliola to that of a fine work of art and the standard of finishes to that of a perfectly restored vintage automobile. It's time for wider recognition across the country of scagliola as an art form to be preserved and a historic building material to be treated responsibly according to contemporary preservation standards. ■

Conrad Schmitt Studios and Lusack Brothers repaired and refinished the scagliola piers at the Cathedral of St. Helena, Helena, Mont. in 1999. The work involved fiber-optic investigation, reattachment, crack repair, patching, infill with new molded elements, polishing, and application of a proprietary coating to add sheen. *Photo: Conrad Schmitt Studios.*

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Balmer Studios, Inc. 416-491-6425; Fax: 416-491-7023 www.balmerstudios.com Toronto, ON, CANADA M2J 1S5	In business for over 160 years, creating architectural ornaments in gypsum. Now offers polyurethane products as well. Custom work. Architectural moldings include the Balmer VI line of polyurethane and gypsum decorative products.	Free	✔	✔	✔	✔	✔	✔	✔				Plaster, GRG, foamed polymer		50%
Boro Plastering Corp. 212-684-3242; Fax: 212-684-3243 1182 Broadway New York, NY 10001	Founded in 1937, plasterers of distinctive residences: specializing in run-in-place crown moldings, cast ornamental moldings, groin vault and barrel ceilings, domes, niches, conventional 3-coat plastering, and veneer plastering.	Free Write in No. 825	✔	✔			✔	✔	✔				Plaster		75%
Cast Designs & Supply, LLC 931-685-0536; Fax: 931-685-0990 www.castdesignsupply.com Shelbyville, TN 37160	Complete line of interior and exterior architectural products, hand-crafted in reinforced plaster, including moldings, medallions, capitals, corbels, cartouches, panels, mantels, and domes. Custom restoration.	Free Write in No. 451	✔	✔	✔		✔	✔	✔				Plaster	✔	25%
Casting Designs, Inc. 800-329-7373; Fax: 817-293-8644 www.castingdesignsinc.com Fort Worth, TX 76140	Custom GRG and GFRC architectural shapes, including domes, capitals, column covers, trims, coves; in-house mold shop and design and drafting department.	Free	✔	✔	✔	✔	✔	✔		✔	✔		GRG		100%
Chadsworth's 1.800.Columns 800-486-2118; Fax: 910-763-3191 www.columns.com Historic Wilmington, NC 28401	Custom and stock columns, pillars, pilasters, and posts; capitals; interior and exterior; plain or fluted; round, square, belley, octagonal; all styles and sizes; wood, PolyStone, fiberglass; job-site delivery; worldwide shipping.	Free Write in No. 1580		✔									PolyStone, fiberglass		75%
Classic Mouldings, Inc. 866-745-5560; Fax: 416-745-5566 www.classicmouldings.com Toronto, ON, CANADA M9L 1Y1	Over 2,000 architectural decorative elements for interior use, including pilasters, cupolas, cartouches, cornice moulding, niches, capitals, columns, decorative ceiling panels, domes, and fireplace mantels. Custom or stock.	Free	✔	✔	✔	✔	✔	✔	✔			Custom work	Plaster, GRG		25%
Classic Plaster Studios 800-633-9553; Fax: 407-935-0848 www.clasplas.com Kissimmee, FL 34744	Designs, manufactures, and installs ornament as well as providing finishing painting. Products include crown moulding, medallions, capitals, columns, ornate ceilings, fireplaces, plaques, mirror frames, and panel moulding.	Free Write in No. 2522	✔	✔	✔	✔	✔		✔	✔		Custom & integrated designs	Plaster, Forton		30%
Classical Mouldings 480-614-9143; Fax: 480-614-0189 28970 N. 108th Pl. Scottsdale, AZ 85262	Supplies architectural plaster in a range of applications.	Free	✔	✔	✔		✔	✔	✔				Plaster, GRG		50%
Conrad Schmitt Studios 800-969-3033; Fax: 262-786-9036 www.conradschmitt.com New Berlin, WI 53151	This century-old studio provides restoration of interior molded ornaments and ornamental ceilings and decoration to match the existing or original finish.	Free Write in No. 8040	✔	✔		✔	✔	✔	✔	✔	✔	Windows & doorways	Plaster, GRG		100%
Decorators Supply Corp. 773-847-6300; Fax: 773-847-6357 www.decoratorssupply.com Chicago, IL 60609	14,000 patterns for period architectural elements and molded ornament, from ceiling medallions to mantels, in plaster of paris, compo, and wood since 1893. Set of 5 catalogs, $30.	Free Write in No. 210	✔	✔	✔		✔	✔	✔				Plaster		15%
Diamond Manufacturing, Inc. 800-343-1009; Fax: 816-421-4735 www.diamondmfg.com Kansas City, MO 64116	Interior/exterior molded ornament; custom and standard parts available. Custom-cast pieces with brass, bronze, copper, or nickel silver metal coating available.	Free Write in No. 583	✔	✔		✔	✔		✔				Urethanes		80%
Diversified Plaster & Stucco 800-664-9940; Fax: 201-358-1872 12 Fourth Ave. Westwood, NJ 07675	New plaster and restoration, run-in-place crown and cast ornamental molding, coffered and barrel ceilings, domes, 3-coat plaster, Venetian plaster, black iron and wire lath.	Free Write in No. 1249	✔			✔	✔	✔				Groin vault ceilings, grilles, arches	Plaster, GRG, gypsum, FRG		75%
Donaldson Traditional Interiors 631-549-1338; Fax: 631-549-1309 91 Green Street Huntington, NY 11743	Specialist in ornamental run-in-place and 3-coat plaster, complete wire-lath systems, stucco work, Venetian plaster.	Free Write in No. 2858	✔	✔	✔	✔	✔	✔	✔				Plaster		100%
Elizabeth Street 212-644-6969; Fax: 212-644-8090 1176 Second Ave. New York, NY 10021	Antique garden ornament; custom stonework; recreations of antique garden ornament in the same methods and materials as the originals.	Free Write in No. 3001			✔								Carved stone		50%
Entol Industries, Inc. 800-368-6555; Fax: 305-245-9280 www.entol.com Homestead, FL 33030	Large selection of stock and custom architectural ornament and other elements in polymer, wood, gypsum, GRG, FRP, etc.; primed or prefinished; interior or exterior.	Free Write in No. 2950	✔	✔	✔	✔	✔	✔	✔				GRG, gypsum, FRP, polymer		50%
EverGreene Painting Studios 212-244-2800; Fax: 212-244-6204 www.evergreene.com New York, NY 10001	Studio with extensive experience in paint restoration, and design and execution of trompe l'oeil, fine art, exterior murals. Paint research, analysis, documentation; scagliola, sgraffito, ornamental plasterwork. Conservation.	Free Write in No. 2678	✔	✔	✔	✔	✔	✔	✔		✔		Plaster, GRG		100%

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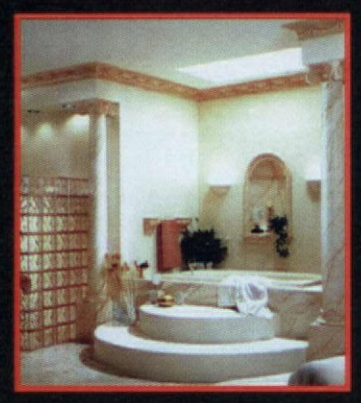

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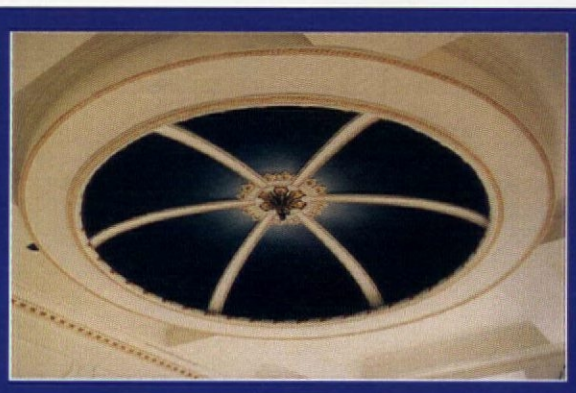
COMPANY	SPECIALTY	Literature	TYPES OF ORNAMENT: Cornice Moldings	Columns & Capitals	Mantels	Door & Window Surrounds	Ceiling Medallions	Niches & Domes	Brackets & Corbels	Statuary	Themed Environments	Other	Materials	Moldmaking Materials	% Custom
Felber Ornamental Plastering Corp. 800-392-6896; Fax: 610-275-6636 www.felber.net Norristown, PA 19404	3,000-plus models and molds and an experienced crew of sculptors, modelmakers and casters to complete any size job.	Free Write in No. 2890	✔	✔	✔	✔	✔	✔	✔			Ceiling coffers, groin vaults, coves, light troughs	Plaster, plastics, GRG, polymer-modified gypsum		50%
Fischer & Jirouch 216-361-3840; Fax: 216-361-0650 www.fischerandjirouch.com Cleveland, OH 44103	Wide selection of hand-crafted plaster architectural ornament for interior and exterior applications, including columns, capitals, ceiling medallions, and fireplace mantels.	Free Write in No. 1960	✔	✔	✔	✔	✔	✔	✔				Plaster		20%
Flex Moulding, Inc. 201-487-8080; Fax: 201-487-6637 www.flexiblemoulding.com Hackensack, NJ 07601	This company offers over 3,000 flexible and rigid moldings, spot decorations, simulated wood carvings, and more; rigid and flexible materials; custom casting and moldmaking capabilities. Restoration casting.	Free Write in No. 4900	✔	✔		✔	✔		✔			Rosettes, cast ornaments, custom casting	Polyester resin	✔	40%
Goodwin Associates 716-248-3320; Fax: 716-387-0153 P.O. Box 18605 Rochester, NY 14618	Architectural building-product specialists. Columns, ornament, moldings, domes, pilasters available in a variety of materials. Custom work available.	Free Write in No. 806	✔	✔	✔	✔	✔	✔	✔				Plaster, GRG, polymer-modified gypsum, solid & foamed polymer, Forton		50%
Hyde Park Fine Art of Mouldings 718-706-0504; Fax: 718-706-0507 www.hyde-park.com Long Island City, NY 11101	Stock and custom plaster mouldings fabricated using traditional methods and materials.	Free Write in No. 802	✔	✔	✔	✔	✔	✔	✔			Ceiling coffers, panel moldings, chair rails, embellishments	Plaster		20%
Iconoplast Designs, Inc. 718-599-2466; Fax: 718-599-2488 www.iconoplast.com Brooklyn, NY 11211	Firm manufactures stock and custom interior design elements in styles ranging from Classical to contemporary; also performs historic-plaster restoration.	Free Write in No. 1349	✔	✔	✔	✔	✔	✔	✔	✔	✔	Bas & haut reliefs, table bases, lighting sconces	Plaster, GRG, polymer-modified gypsum, solid polymer, cement, expoxy resin		60%
Koroseal Wall Protection Systems 800-628-0449; Fax: 330-668-7703 www.korogard.com Fairlawn, OH 44333	Maker of corner protectors, handrails, and chair rails in a wide variety of models, colors, and stains. Handrails are ADA-compliant.	Free Write in No. 3046										Molded wall & corner protectors	Vinyl		15%
Larsen Products Corp. 800-633-6668; Fax: 301-776-2723 www.larsenproducts.com Jessup, MD 20794	Surface-applied bonding agents for interior and exterior applications of plaster; acrylic admixture to modify portland cement, plaster, and mortar.	Free Write in No. 226											Bonding agents	✔	N/A
Mandish Research International 321-267-2561; Fax: 321-268-1972 www.mandish.com Mims, FL 32754	Producer of composite fiberglass molds for architectural precast concrete; columns, archways, planters, and more. Stock molds for over 100 balustrade designs. Custom molds available.	Free Write in No. 875											Composite fiberglass molds	✔	N/A
Manor Style, Ltd. 800-325-2188; Fax: 410-298-0848 6741 Whitestone Rd. Baltimore, MD 21207	Architectural columns, decorative capitals, cornices, & domes produced in fiberglass, Class-A polymer, poly-resin. Custom quotes a specialty. Ship nationwide. Substantial inventory.	Free Write in No. 703	✔	✔	✔	✔	✔	✔	✔			Pilasters, domes, niches	GRG, solid & foamed polymer		40%
Master Of Plaster Finishing Systems, Inc. 800-352-5915; Fax: Same as phone. www.masterofplaster.com Essex, NY 12936	Ceilings cast in panels for ease of installation; no detail work or painting necessary; custom designs or choose from stock.	Free Write in No. 2537										Ceiling panels	Plaster		80%
Michael H. Casey Designs, Inc. 415-282-3238; Fax: 415-282-9121 www.michaelhcasey.com San Francisco, CA 94107	Specialist in ornamental and architectural cast plaster, cast stone, and GFRC.	Free	✔	✔	✔	✔	✔	✔	✔	✔			Plaster, GRG		90%
Milestone Architectural Ornamentation 888-851-3381; Fax: 806-381-6996 www.milestoneltd.com Amarillo, TX 79107	Lightweight, highly durable, completely natural-looking cast-stone columns. Save funds in shipping and installation. Aged or new limestone, Florida coral stone, Madeira stone.	Free Write in No. 493	✔	✔	✔	✔		✔	✔				Lightweight cast stone		85%
Moonlight Molds, Inc. 310-538-9142; Fax: 310-538-9717 www.moonlightmolds.com Gardena, CA 90248	Architectural cast products (columns, capitals, cornices, brackets, balustrades, etc.) in a wide range of materials, colors, and textures; standard and custom shapes.	Free Write in No. 9670	✔	✔	✔	✔	✔	✔	✔				GRG		50%
North American Stone Company 972-562-9992; Fax: 972-562-0794 www.northamericanstone.com McKinney, TX 75070	Manufactures custom architectural cast-stone elements: fireplace mantels, balustrade systems, columns, exterior and interior elements, pots, urns, and specialty items. Design assistance.	Free Write in No. 754	✔	✔	✔	✔	✔	✔	✔			Pots, urns, specialty items	Cast stone		100%
Orlandini Studios Ltd. 414-272-3657; No Fax 633 West Virginia St. Milwaukee, WI 53204	New and restoration plaster work for residential and small commercial applications, as specified. Will consult, design, model, mold, cast, and install to spec. Please call for details.	Free	✔	✔	✔	✔	✔	✔	✔	✔	✔	Complete ceilings, arches, replications	Plaster		100%
Poulin & Sons 508-761-4648; Fax: 508-761-4639 880 Washington St. South Attleboro, MA 02703	Ornamental-plastering studio specializes in restorations, duplications, and custom designs.	Free	✔										Plaster		100%
Renaissance Ceiling Domes 800-642-0169; Fax: 423-539-2773 www.renaissancedomes.com Knoxville, TN 37921	Hand-crafted ceiling domes, any size; primed gypsum shells or fully finished turn-key installed. Specialist in coffered interiors, hardwoods, custom shapes, pre-wired light systems, stained-glass oculus, and more.	Free Write in No. 325						✔							95%
Rory Brennan/Preservation Plastering 802-387-4623; No Fax 33 E. Putney Brook Rd. Putney, VT 05346	Complete plaster-conservation services: documentation, stabilization of loose plaster, mortar analysis and matching; plaster replication using original models. Collection of historic medallions.	Free Write in No. 2980	✔	✔	✔	✔	✔		✔				Plaster		100%
Snelling's Thermo-Vac, Inc. 318-929-7398; Fax: 318-929-3923 www.ceilings-plus.com Blanchard, LA 71009	Supplies decorative polymer ceiling tiles and moldings. Tiles are replicas of tin ceiling tiles and can also be used as wall panels.	Free Write in No. 8450										Ceiling tiles & moldings	Polymer		5%
Specification Chemicals, Inc. 800-247-3932; Fax: 515-432-8366 www.spec-chem.com Boone, IA 50036	Manufacturer of the Nu-Wal system for cracked flat or curved walls, which repairs damage using a fiberglass mat embedded in a saturant and applied to walls. Walls may then be painted or covered with paper.	Free Write in No. 1530											Wall-repair system		0%
Stone Legends 800-398-1199; Fax: 214-398-1293 www.stonelegends.com Dallas, TX 75217	Cast-stone architectural elements, handmade using precision tooling. Factory-direct pricing for elements such as balustrades, columns, fountains, pavers, steps, signs, wall caps, and landscape and garden ornament. Custom casting.	Free Write in No. 8630	✔	✔	✔	✔	✔	✔	✔	✔			Cast stone		50%
Stone Magic Mfg. 800-597-3606; Fax: 214-823-4503 www.stonemagic.com Dallas, TX 75217	Manufactures a varied line of easily installed cast-stone mantels with the look and feel of cut limestone. Prices range from $1,000 to $5,400. Custom cast stone.	Free Write in No. 9067			✔								Cast stone		10%
Superior Moulding, Inc. 800-473-1415; Fax: 818-376-1314 5953 Sepulveda Blvd. Van Nuys, CA 91411	Array of standard and non-standard moldings and related finish materials in any size, style, shape, and species; short turnaround times.	Free Write in No. 138	✔	✔			✔	✔	✔				High-density urethane		55%
Towne House Restorations 718-326-4210; Fax: 718-326-1344 www.caststone.org/thr Maspeth, NY 11378	Custom fabricator of cast stone and GFRC to replicate ornamental terra cotta, limestone, & brownstone. Services include pattern restoration, pattern sculpture, color matching, field molds, field surveys, shop drawings, engineering.	Free Write in No. 545										Restoration of ornamental masonry	GRG, GFRC, cast stone		85%
Warner Bros. Studio Facilities 818-954-3000; Fax: 818-954-2677 www.wbsf.com Burbank, CA 91522	Architectural ornamentation fabrication of plaster or fiberglass for interior and exterior decoration; historic collection of hundreds of molds available.	Free	✔	✔	✔		✔		✔		✔	Custom work	Plaster, polymer-modified gypsum, foamed polymer		50%



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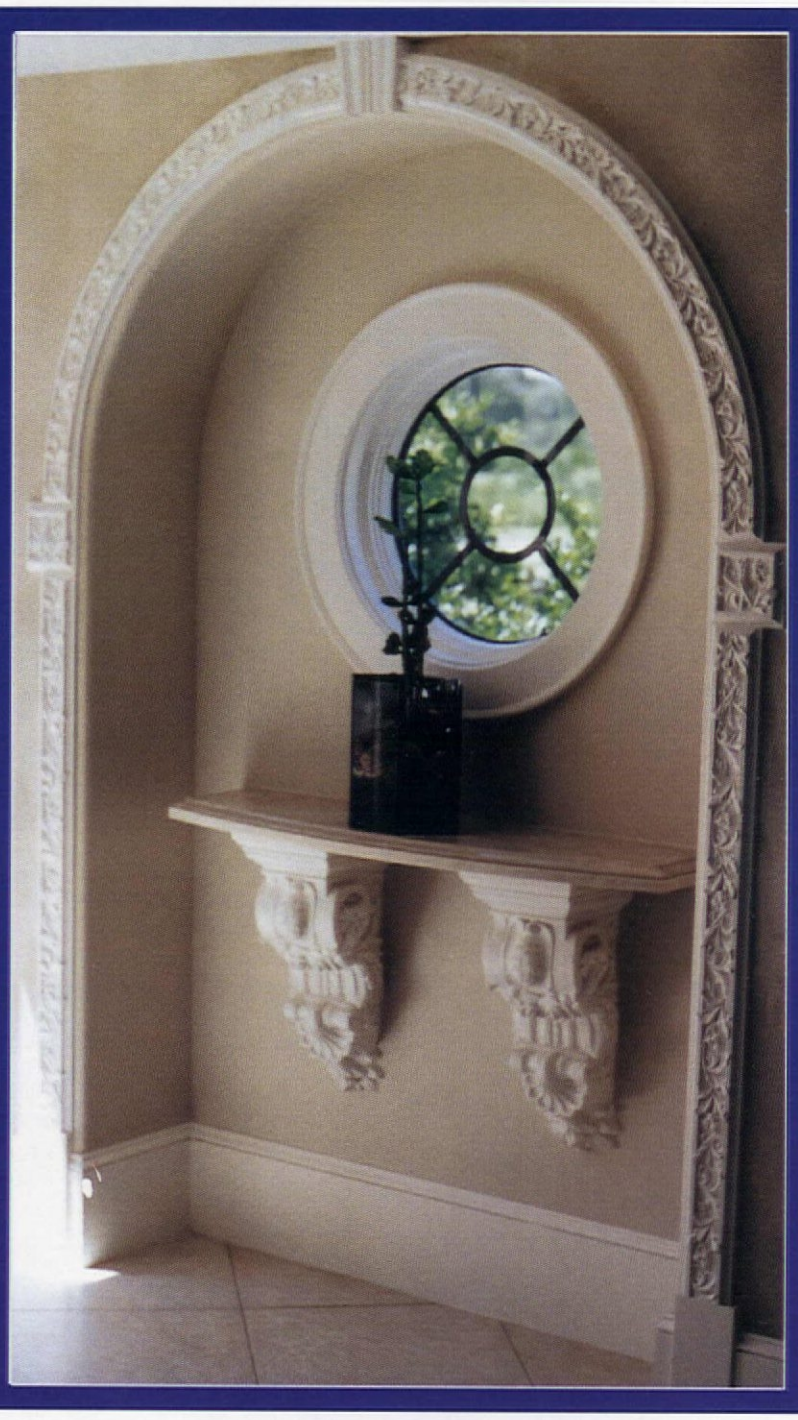

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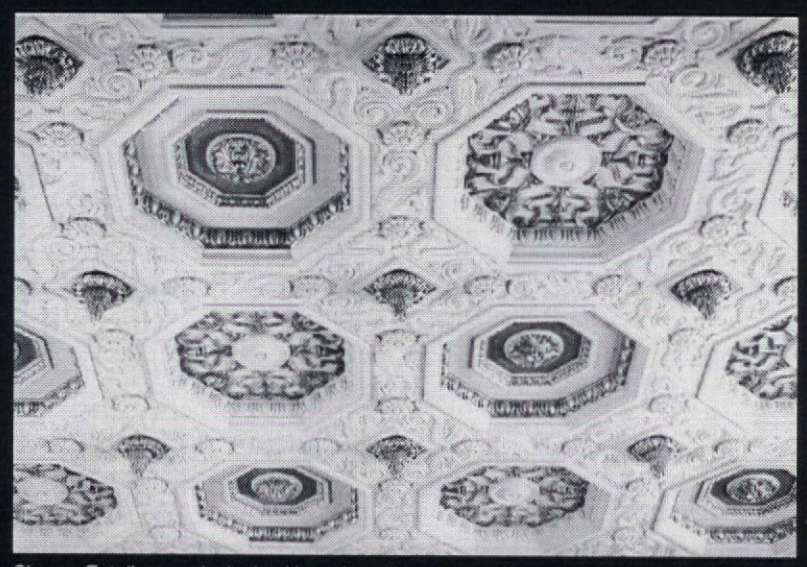

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WRITE IN NO. 2950

INTERIOR MOLDED ORNAMENT PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 118 & 120.

The plasterwork experts of HYDE PARK have transformed this interior, contributing the columns, pilasters, chair rail, wall panels, decorative frieze molding, and the ceiling coffers with rosettes. *Write in No. 802*

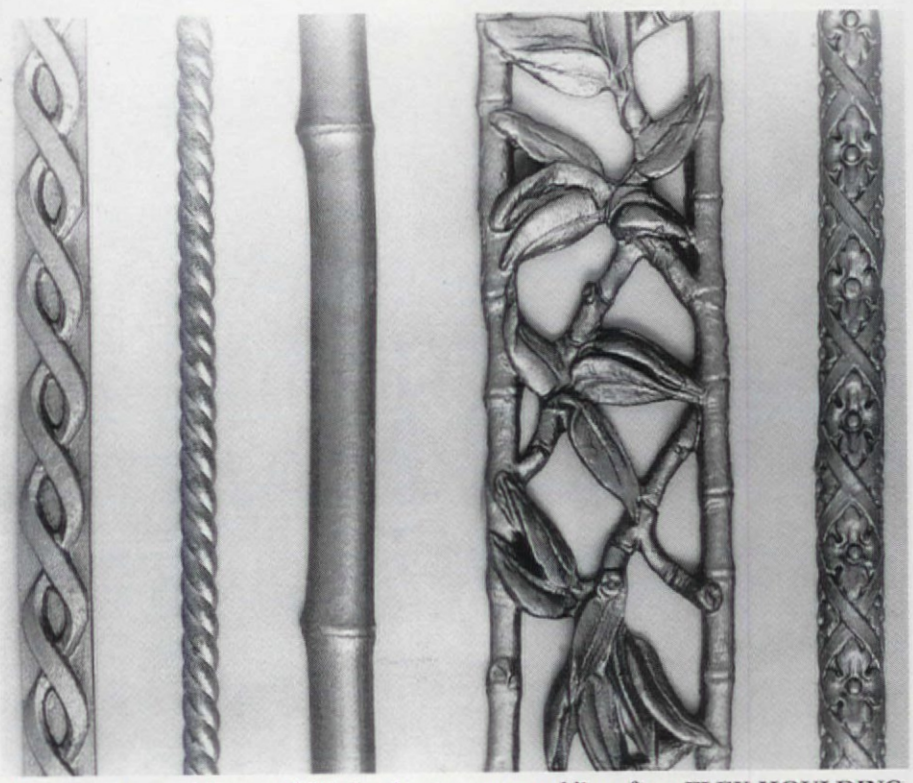
For New York City's Metropolitan Museum of Art, DIVERSIFIED PLASTER & STUCCO supplied ornamental plaster columns, arches, capitals, and architraves in a proprietary GRG-based material, finished to resemble travertine marble. *Write in No. 1249*

The "Blanton" niche from STONE LEGENDS is only one of the firm's numerous cast-stone items for interiors. *Write in No. 8630*

The gleaming capitals of these columns in the Las Vegas casino Caesar's Palace are the skilled plasterwork of FISCHER & JIROUCH. *Write in No. 1960*

ARCHICAST fashioned this cornice molding and 48-in. ceiling dome and ring in GRG. *Call 901-323-8717 for information*

The "Colossal Column" from CHADSWORTH'S 1.800.COLUMNS — four of which can be seen here, in the National Guard Headquarters — uses a filament-winding process to create a lighter weight column without sacrificing load-bearing strength. *Write in No. 1580*



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WRITE IN NO. 2980

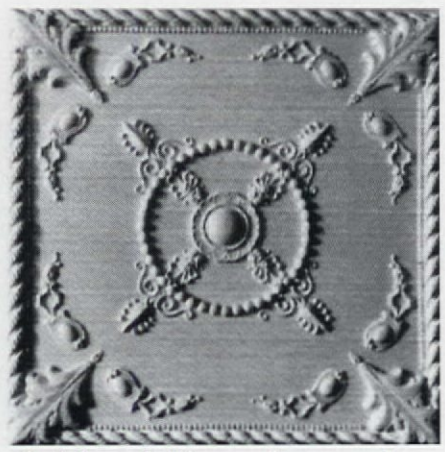
INTERIOR MOLDED ORNAMENT PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 118 & 120.

Master plasterer RORY BRENNAN installs a custom ceiling medallion in the Isaiah Davenport House in Savannah, Ga. *Write in No. 2980*

This cherubic trio, item #A24 in CAST DESIGNS & SUPPLY's line of ornamental accessories, measures 24-1/2 in. long x 12 in. high with a 5-1/2-in. projection. *Write in No. 451*

The line of interior molded ornament available from ICONOPLAST includes wall-art pieces, such as the bas relief #7030, "The Three Graces," which measures 15-1/2 in. high x 15 in. long and has a 2-1/2-in. projection. *Write in No. 1349*

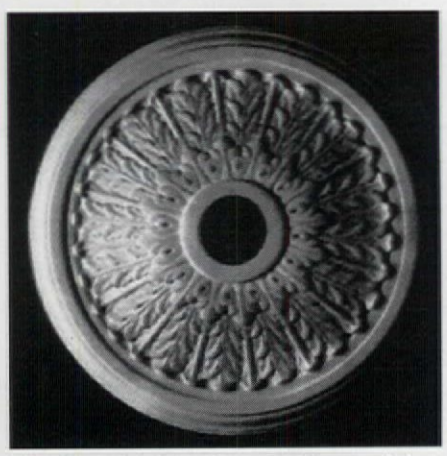


The "Alexander" is one of many stock, period-style, decorative ceiling tiles made of lightweight, high-impact polymer plastic by SNELLING'S THERMO-VAC. *Write in No. 8450*

Corbels from ARCHITECTURAL PRODUCTS BY OUTWATER are available in plaster, polyurethane, and resin formats, and can be used as both decorative ornamentation and sturdy support for shelving. *Write in No. 4935*

An artisan at FELBER ORNAMENTAL PLASTERING CORP. works on a custom relief sculpture which will serve as mirror surrounds in the celebrated New York City restaurant, the Russian Tea Room. *Write in No. 2890*

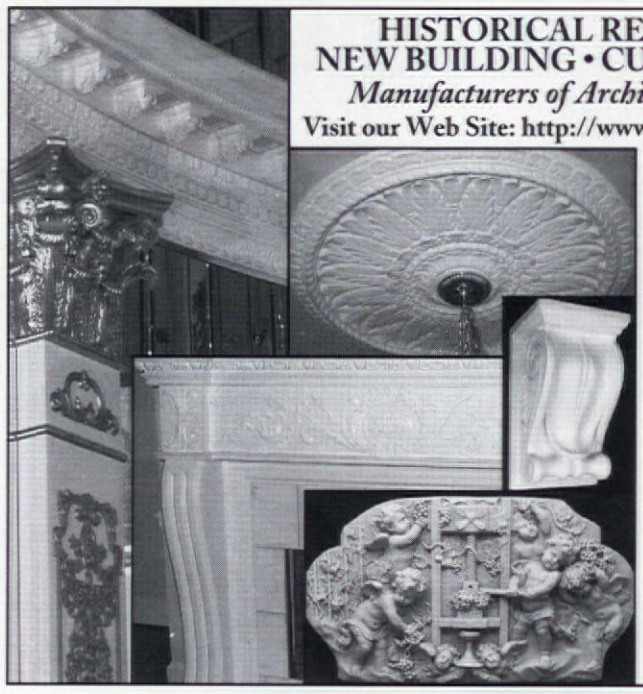
The "Aristocrat" mantel from ARCHITECTURAL FACADES UNLIMITED measures 50-1/2 in. high x 6 ft. 1 in. high. *Write in No. 1470*



The line of polyurethane ceiling medallions available from DIAMOND MFG. includes model #DC 290 shown here, which has a 20-in. diameter. *Write in No. 583*

These ornate polymer panels for suspended ceilings, made by ARCHITECTURAL FIBERGLASS, measure 24 in. x 24 in. *Write in No. 6400*

This ornamental arrow-clutching eagle, cast in plaster by DECORATORS SUPPLY CORP., is item #27130 and measures 19 in. x 9-1/2 in., with a 2-in. relief. *Write in No. 210*



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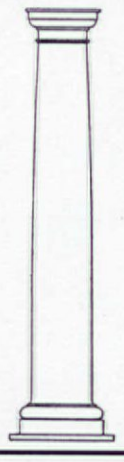

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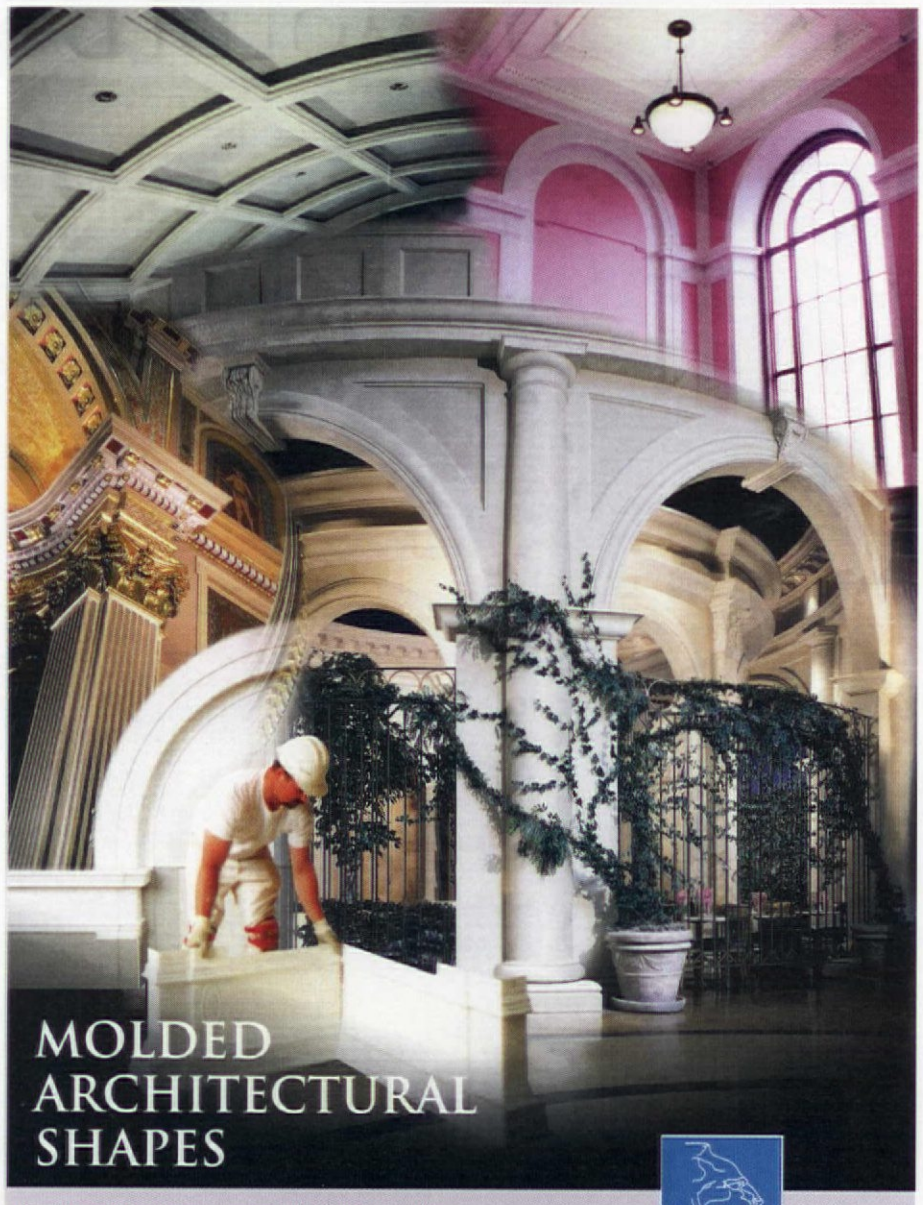

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"When contacting companies you've seen in the issue, please tell them you saw their listing in Traditional Building."
— The Editors

INTERIOR MOLDED ORNAMENT PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 118 & 120.

This detail shot of a high-style ceiling medallion from CLASSIC PLASTER STUDIOS highlights the quality finish-paint work which the firm also provides for its products. *Write in No. 2522*

Believe it or not, that column capital, custom-made by GOODWIN ASSOCIATES, is for an interior application: a 40-in.-diameter column in the office of a South Carolina architectural firm. *Write in No . 806*

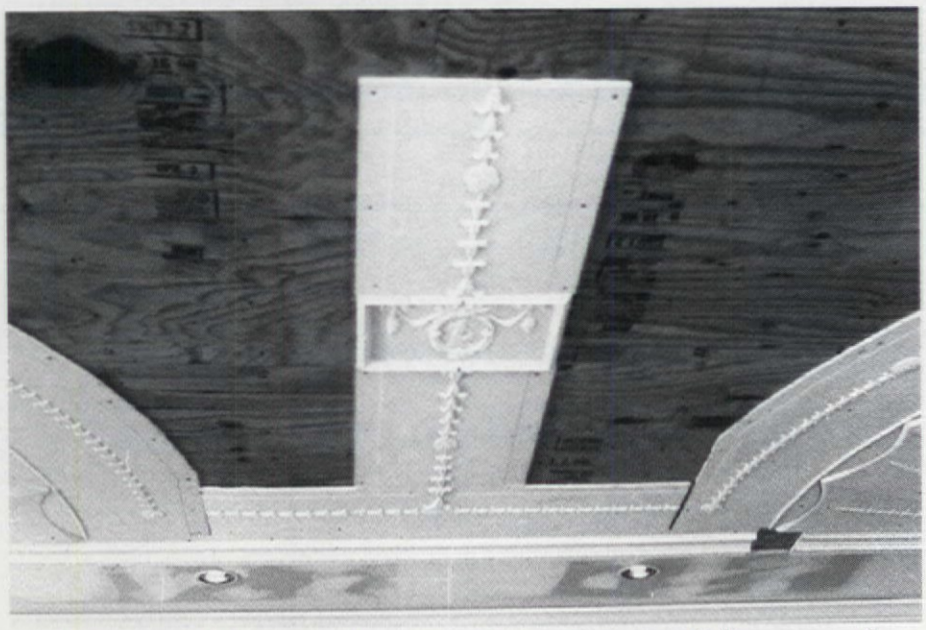
The creation of finely detailed molded ornament is just one of the specialties of EVERGREENE PAINTING STUDIOS. *Write in No. 2678*

TOWNE HOUSE RESTORATIONS replaced and restored 2,000 sq.ft. of decorative Gothic-style ornamental plaster in New York City's Ed Sullivan Theater. *Write in No. 545*

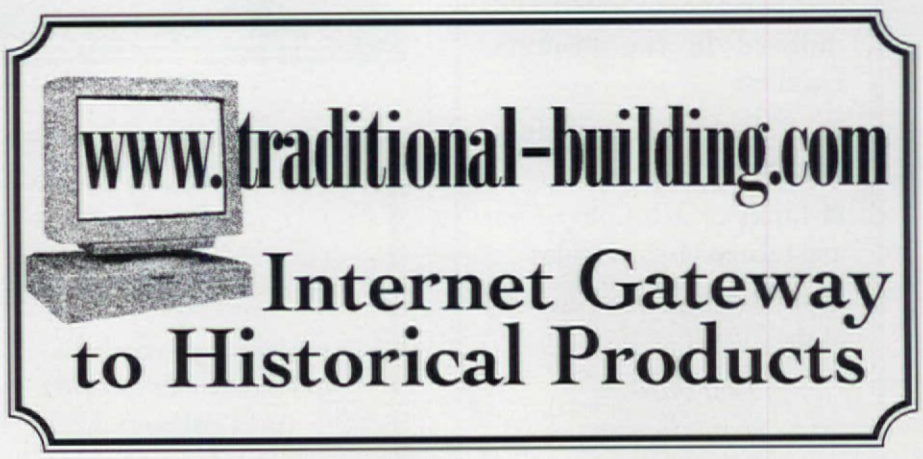
This elaborately ornamented niche is one of the many elements fabricated in GRG by MOONLIGHT MOLDS. *Write in No. 9670*

What bathroom is really complete without high-density polymer columns and capitals from MANOR STYLE? *Write in No. 703*

David Ashworth (left) and Calvin Roberts of ASHWORTH DESIGN install some of the firm's dazzling architectural plasterwork. *Write in No. 2529*



MASTER OF PLASTER specializes in creating cast-plaster panels for ornamental ceilings. *Write in No. 2537*



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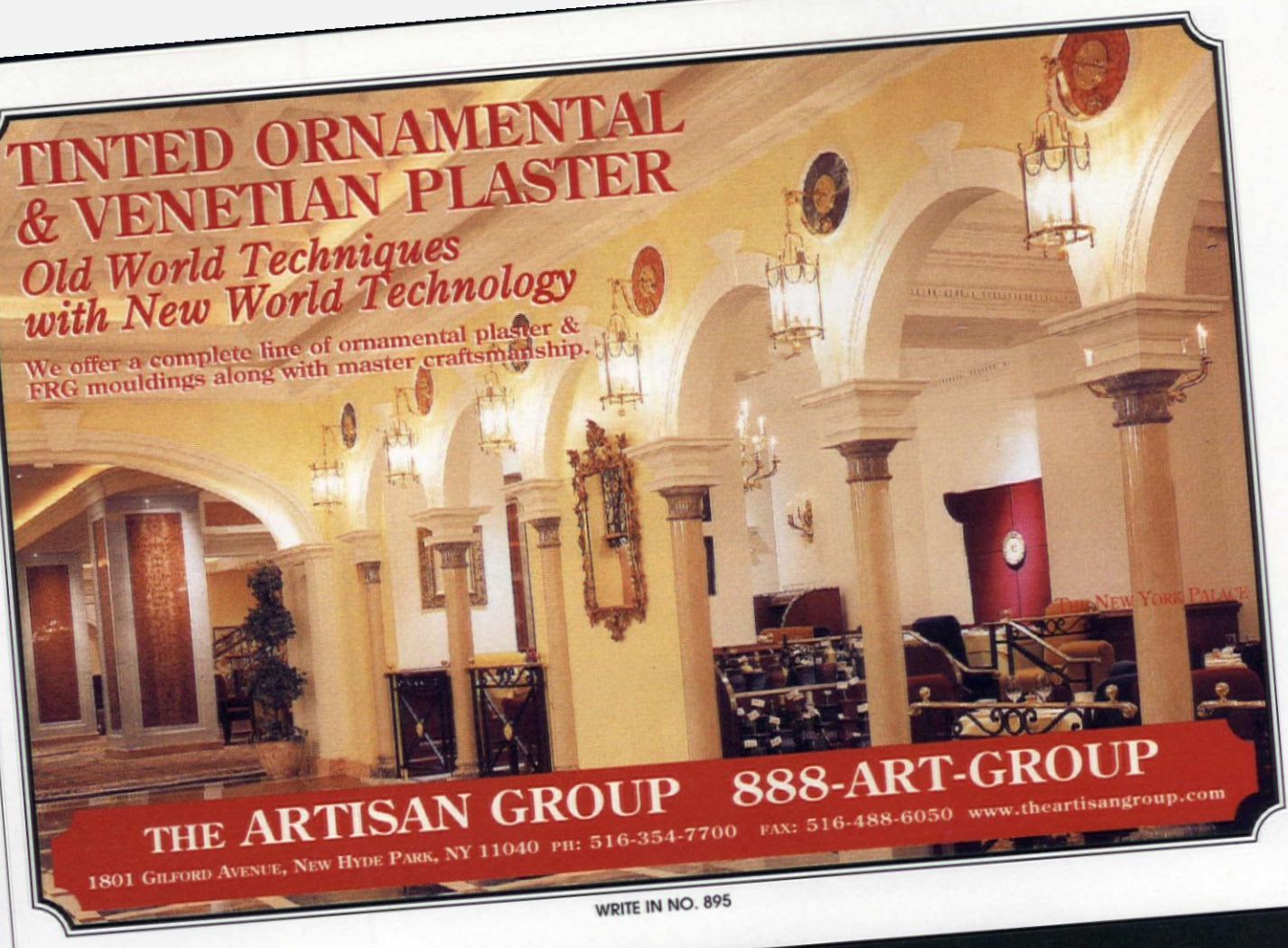

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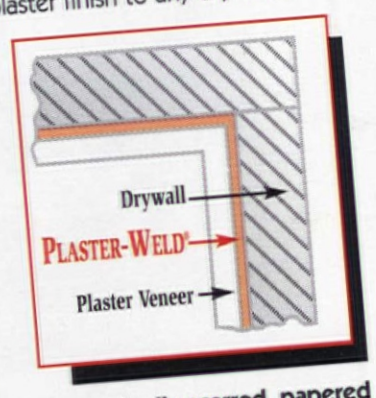

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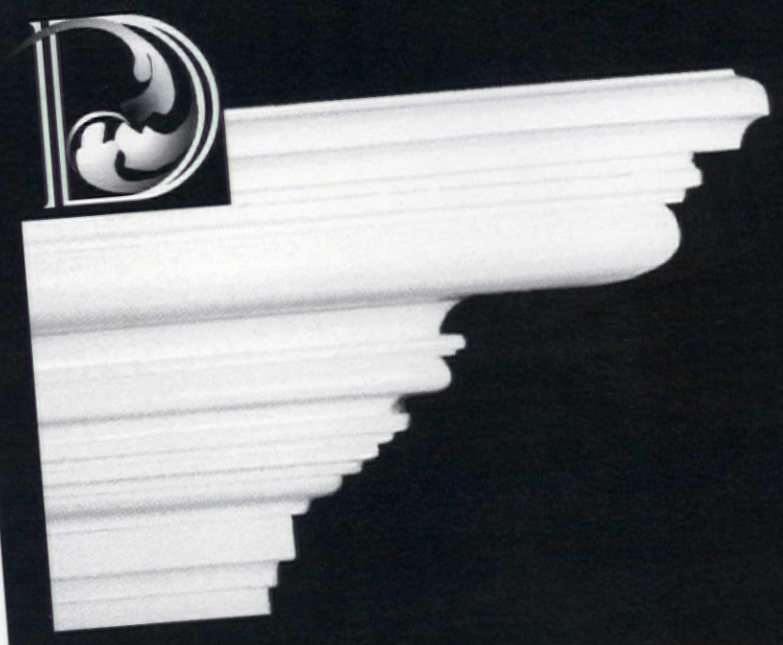

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SourceList 130-134
Portfolio. 134-138

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This restoration called for widening the stage, which eliminated a column and statue and made the painted stage curtain wider than it was originally. Conrad Schmitt Studios' solution was to paint the column and statue onto the wider curtain, thus maintaining the original spirit and appearance of the stage. This work was done in conjunction with the restoration of the entire theatre and the addition of an adjoining convention center, which together have rejuvenated the downtown area.

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Jer Giles Artworks, Inc. 972-227-4244; Fax: 972-227-4241 www.jergiles.com Lancaster, TX 75146	Decorative artist Jerry Giles creates faux finishes, trompe l'oeil, and murals.	Free	✔	✔	✔		✔									N, I
John Canning Painting & Conservation Studios 203-272-9868; Fax: 203-272-9879 www.canning-studios.com Southington, CT 06489	Studio specializes in conservation and restoration of painted and gilded ornamentation. The design and execution of murals and decoration is suitable to period interiors. Extensive experience and knowledge of church decoration.	Free Write in No. 5100	✔	✔	✔	✔	✔	✔	✔	✔	Scagliola, wood refinishing					N, I

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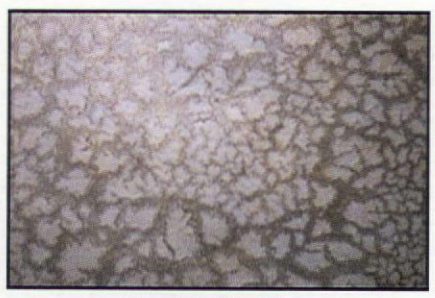

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•Marble & Stone
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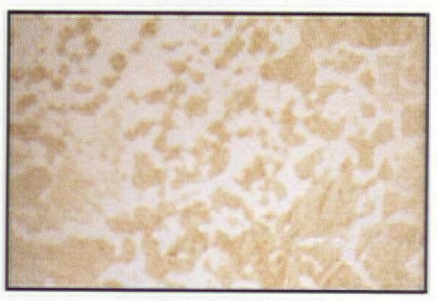
•Designer Cabinetry Finishes
•Trompe L'oeil (Beg.-Adv.)
•Ornamental Composition
•Spray Finishes
•The Art of Murals on Canvas

European Textures

Cabinetry



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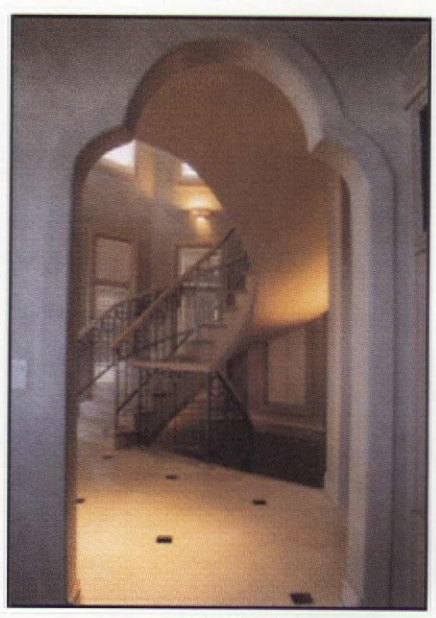

Walls

Murals on Canvas

Inlay Embossing/Relief

WRITE IN NO. 2536

TRADITIONAL BUILDING'S DECORATIVE PAINTING *SourceList*

CSI# 09920

COMPILED BY COLE GAGNE

COMPANY	SPECIALTY	Literature	DECORATIVE PAINTING SERVICES: Murals	Gilding	Graining/ Marbelizing	Stencils/Stenciling	Faux Finishes	Venetian Plaster	Plaster-Ornament Conservation/ Restoration	Paint Conservation	Decorative Painting Products	MATERIALS: Gilding Supplies	Venetian Plaster	Faux-Finishing Products	Decorative Painting Products	Travel(National/ International)
Karwowski Studio 860-628-7735; No Fax 163 N. Main St. Southington, CT 06489	A specialist in decorative painting for historic restorations: gilding, graining, marbelizing, stenciling, faux finishes & murals.	Free	✔	✔	✔	✔	✔	✔	✔	✔						N, I
Kelly S. King Institute of Decorative Finishes 402-896-9670; Fax: 402-896-1294 www.in-faux.com Omaha, NE 68137	Decorative-painting and faux-finishing studios; work includes theaters, residential, commercial work. Also teaches faux and decorative painting, and offers a full line of faux-finish products.	Free Write in No. 2536	✔	✔	✔	✔	✔	✔				✔	✔	✔	✔	N, I
Kremer Pigments, Inc. 212-219-2394; Fax: 212-219-2395 www.kremer-pigmente.de New York, NY 10012	Paint raw materials for historic & contemporary finishes, from traditional European earth pigments and plant dyes to oils, waxes, resins, & glues. Specializing in materials for lime wash, natural surfaces, decorative plaster.	Free Write in No. 4910										✔		✔	✔	
Kronenberger & Sons Restoration 860-347-4600; Fax: 860-343-0309 www.kronenbergersons.com Middletown, CT 06457	Restoration firm specializing in brownstone, brick, & fieldstone restoration; house moving; window restoration; matching existing moldings, trim, paneling, etc.; wood carving; wood roofs; mortar matching; cleaning and repointing.	Free Write in No. 536							✔	✔						
KTS Art 609-726-1085; Fax: Same as phone 20 Pemberton Street Pemberton, NJ 08068	High-quality, hand-painted murals, paintings, trompe l'oeil, and decorative painting. Ideas customized to your wishes by highly skilled and experienced artists.	Free	✔				✔									N, I
Leo Uhlfelder Co. 914-664-8701; Fax: 914-664-8728 www.uhlfeldergoldleaf.com Mount Vernon, NY 10553	Supplier of high-quality genuine & imitation gold leaf & accessories, including books, gilders' tools, silver leaf, aluminum leaf, & bronze & aluminum powders. Products come in packs or rolls. Also, oil- & water-based gold size.	Free Write in No. 810										✔		✔	✔	
LepoWorks, Inc. 419-339-5370; Fax: www.lepoworks.com Lima, OH 45807	Designs private, public, and institutional artwork; interior and exterior works in a multitude of materials, including metal and wood; wood-carving services.	Free Write in No. 1034	✔													
Marshall Gold Leaf & Art Conservation Studios 610-341-0909; Fax: No Fax www.marshallgold.com Bryn Mawr, PA 19010	Responsible for the gilding of numerous national historic and new projects; Ronald Reagan Federal Courthouse, Dallas Fair Park Tower, US Naval Academy Chapel Dome in Annapolis, Gold Dome Bank in Buffalo, N.Y., more.	Free Write in No. 6230			✔		✔	✔					✔	✔	✔	N, I
Modeworks, Inc. 212-226-4079; Fax: 212-226-9258 www.modeworks.com New York, NY 10013	Since 1979 firm has provided hand-painted murals and decorative painting, from design to execution. Cutting-edge digital and digital/hand-painted hybrid artwork, full-service 3D shop, fixtures, sculpture, and displays.	Free	✔	✔	✔	✔	✔	✔								N, I
New Millennium, Inc. 231-271-3263; Fax: 231-271-4236 www.nmrestoration.com Suttons Bay, MI 49682	Specializes in investigation, documentation, and consultation of original decorative schemes; decorative restoration; faux techniques; decorative plaster repair and replication; mural and fine-arts conservation.	Free Write in No. 2662	✔	✔	✔	✔	✔	✔	✔	✔	Canvas painting, frescos, trompe l'oeil					N, I
Old Fashioned Milk Paint Co. 978-448-6336; Fax: 978-448-2754 www.milkpaint.com Groton, MA 01450	Genuine milk paint, available in 16 colors, including barn red, mustard, Lexington green, federal blue, oyster white, pitch black. Just add water and mix to desired consistency for use as a wash, full cover coat, or for stenciling.	Free Write in No. 5880												✔	✔	
Painting in Partnership 847-934-8885; Fax: 847-934-8157 www.paintpartner.com Palatine, IL 60067	Painting contractors specializing in decorative painting, wallpapering, custom painting, and concrete finishing; interior and exterior work, for both commercial and residential settings.	Free	✔	✔	✔	✔	✔	✔		✔						N, I
Paul Montgomery Studio 941-925-4000; Fax: 941-923-0914 www.paulart.com Sarasota, FL 34233	Design, production, and installation of fine painted decor for projects worldwide; murals, trompe l'oeil, all types of specialty finishes, hand-screened wallpapers, and more.	Free	✔	✔	✔	✔	✔				Trompe l'oeil					N, I
Peck Studios 202-331-1966; Fax: Same as phone www.peckstudios.com Washington, DC 20010	Studio creates and installs large-scale interior and exterior public murals and architectural trompe l'oeil paintings. Also, mosaics, faux finishes, keim mineral systems, gilding.	Free Write in No. 208	✔			✔	✔				Trompe l'oeil					N, I
Ritins Studio, Inc. 416-467-8920; Fax: 416-467-8963 www.ritins.com Toronto, ON, CANADA M4G 2B6	Studio provides murals & other decorative/faux finishes for commercial & residential projects in U.S. & Canada. Complete line of water-based decorative-painting products & accessories. Marble & plaster restoration, cement-floor restoration & decorating.	Free Write in No. 4630	✔	✔	✔	✔	✔	✔	✔		Trompe l'oeil, fresco, faux-stone carved panels & friezes	✔	✔	✔	✔	N, I
Rutter Murals & Decorative Painting 415-282-8820; Fax: 415-282-8275 www.lynnerutter.com San Francisco, CA 94107	Design and production of fine-art murals; trompe l'oeil; intricate stenciling, decorative & faux finishes, using a variety of media and techniques. Specialist in the design, restoration, and re-creation of historic painted ornament.	Free Write in No. 4710	✔	✔	✔	✔	✔									N, I
Sepp Leaf Products, Inc. 800-971-7377; Fax: 212-725-0308 www.seppleaf.com New York, NY 10016	Full range of genuine gold, silver, and metal leaf, plus gilding supplies and tools. 'Liberon' products, 'Mixol' tinting pastes, 'Kolcaustico' Venetian plaster; consultation services for architectural gilding and use of products.	Free Write in No. 2880										✔	✔	✔	✔	N, I
Simes Studios 773-327-7101; Fax: 773-862-0778 www.simesstudios.com Chicago, IL 60614	Decorative painting, traditional murals, faux-inlaid-wood floors, tinted plaster finishes, and other specialty painting; murals on canvas.	Free Write in No. 2507	✔	✔	✔	✔	✔	✔			Color consulting, design renderings, painted floors					N, I
Swift & Sons, Inc. 800-628-0380; Fax: 860-249-5934 www.mswiftandsons.com Hartford, CT 06141	Maker of high-quality gold for over 112 years. Domestic Swift gold 24K-10K gilding leaf; domestic Swift silver gilding leaf; composition gold; and aluminum leaf. Surface, glass, patent roll gold. All available in rolls or packs.	Free Write in No. 2490										✔				
The Texston Company 818-768-7676; Fax: 818-768-6773 www.texston.com Canoga Park, CA 91304	Architectural surfaces and surfacing processes; workshops on these techniques, including Venetian plaster.	Free Write in No. 922						✔					✔			N, I
Touch Of Illusions 708-453-2230; Fax: 708-453-2231 7442 W. Grand Ave. Elmwood Park, IL 60707	Specialist in the restoration and preservation of the decorative finish on architectural elements and the design of interior faux finishes. Also gold leafing, murals, woodgraining, marbleizing.	Free	✔	✔	✔	✔	✔	✔	✔	✔	Trompe l'oeil					N, I
V & Olga Decorating Co. 718-634-4415; Fax: 718-634-4075 www.stencillusions.com Far Rockaway, NY 11694	Source of architectural stencils with 3D, damask, and mosaic effects. Includes borders, moldings, rosettes, wall/ceiling corners and panels for murals and others.	Free				✔	✔							✔	✔	N, I
Vigini Studios, Inc. 210-212-6177; Fax: 210-212-6183 www.viginistudios.com San Antonio, TX 78215	Specialist in the classical techniques of mural painting and trompe l'oeil. Internationally recognized school offering faux-finishing workshops worldwide. Comprehensive line of water-based paint products and artists' materials.	Free Write in No. 2672	✔	✔	✔	✔	✔	✔	✔	✔	Trompe l'oeil	✔	✔	✔	✔	N, I
W.H. Coe, Inc. 860-524-8811; Fax: Same as phone www.whcoe.com Hartford, CT 06112	Supplier of German, Italian, and American leaf products: gold leaf, silver leaf, aluminum leaf, and compo. Roll gold also available. Gilding supplies as well as technical support.	Free Write in No. 399										✔				
Wehrung & Billmeier 773-472-1544; Fax: Same as phone Eddy St. Chicago, IL 60657	Supplier of high-quality metallic leaf for four generations. Silver and gold leaf for gilding from 12K to 24K. Also, aluminum leaf, imitation gold leaf, and gilding supplies. Products come in books, packs, or rolls.	Free Write in No. 8900										✔				

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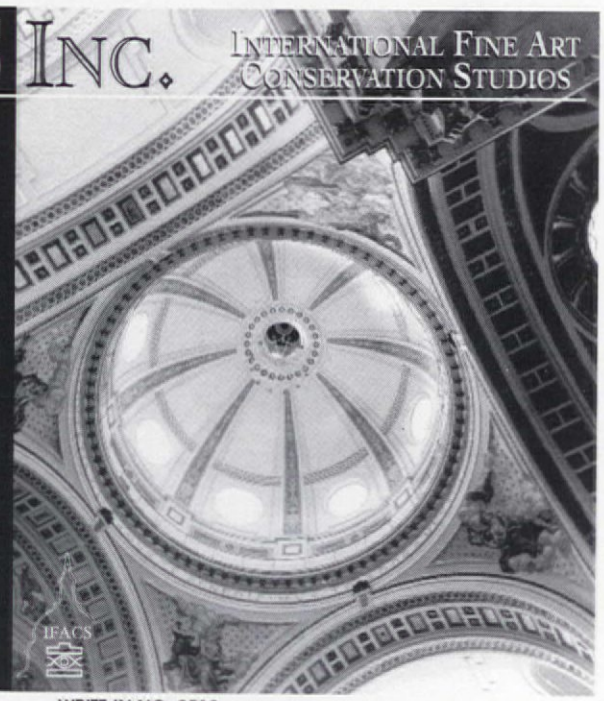

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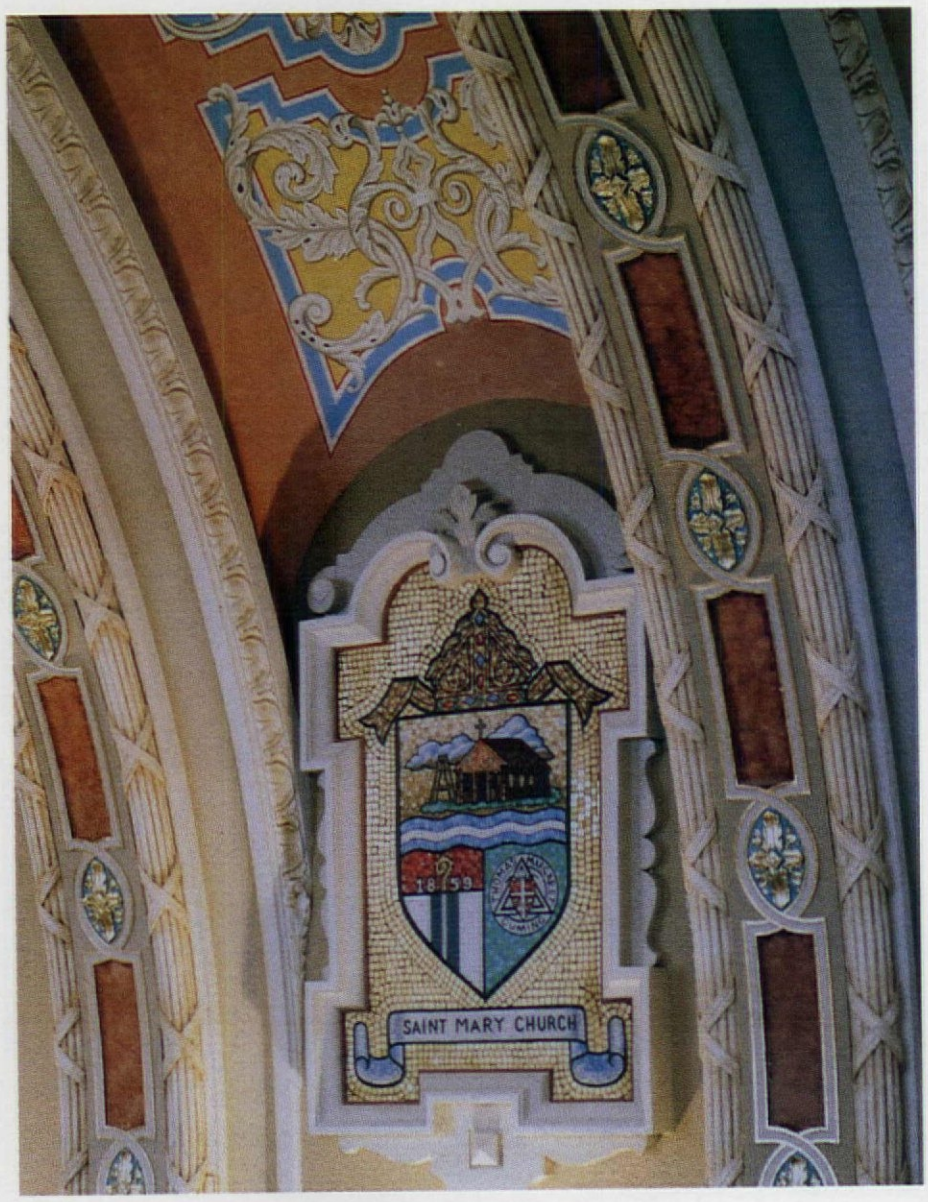
WRITE IN NO. 2490

DECORATIVE PAINTING PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 130-132.

CONRAD SCHMITT STUDIOS restored the auditorium space of the 1927 Thomas Lamb theater in Columbus, Ohio. *Write in No. 8040*

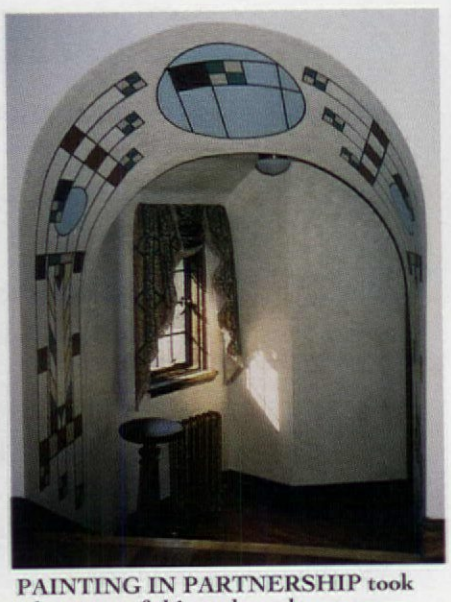
NEW MILLENNIUM's crew of artisans restored the original finishes, designs, and colors of Rhode Island's Providence Performing Arts Center, a National Register theater built in 1928. *Write in No. 2662*



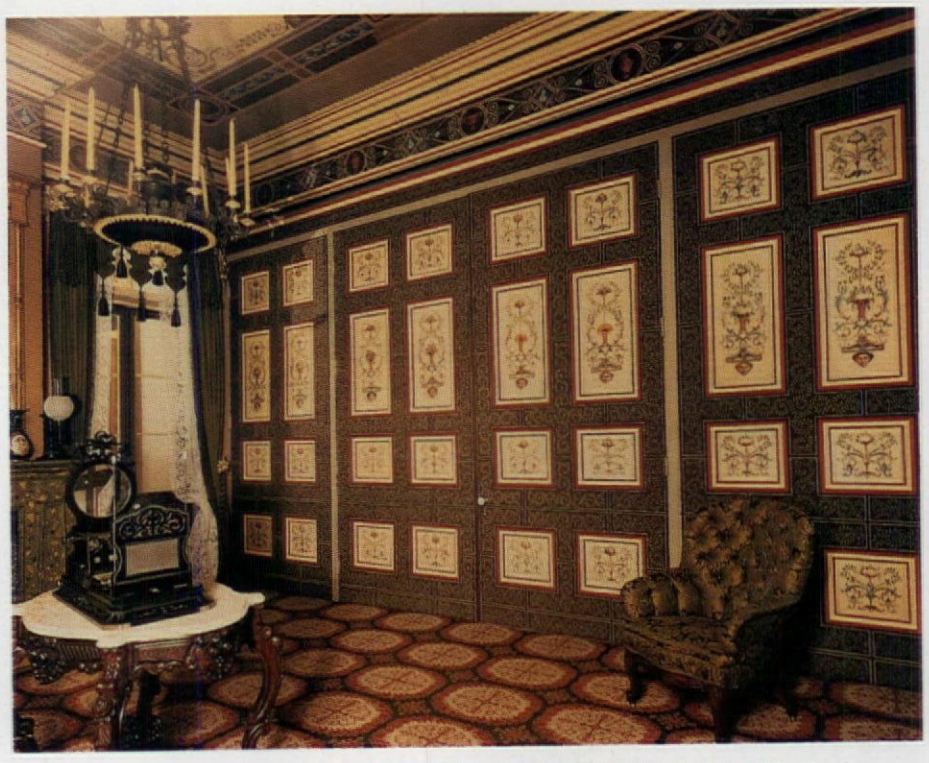
The ornamentation of this church exemplifies the richly detailed decorative painting that can be executed by the artisans of EVERGREENE PAINTING STUDIOS. *Write in No. 2460*

For this Neoclassical interior, SIMES STUDIOS provided the design, gilding, faux marble, stenciling, and other hand-painted decoration. *Write in No. 2507*

Among the finishing capabilities which FAUX EFFECTS can create are stenciling and worn patinas, as seen in this wood treatment. *Write in No. 4690*



PAINTING IN PARTNERSHIP took advantage of this arch to showcase an imaginative decorative-painting design.



INTERNATIONAL FINE ART CONSERVATION STUDIOS painstakingly restored the elaborate decorative painting in the famed San Francisco Plantation House, built in 1856 in Reserve, La. *Write in No. 9510*

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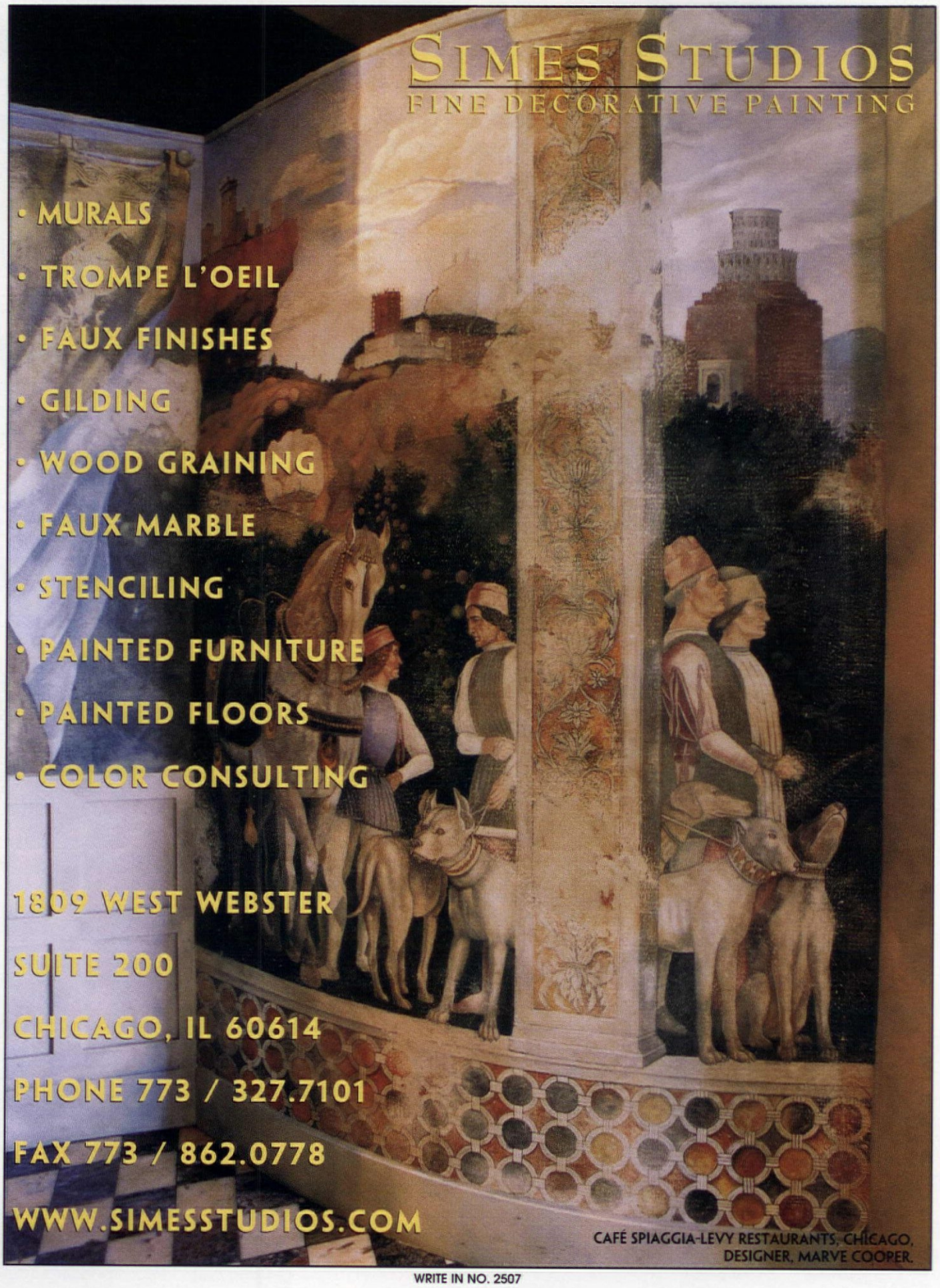

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Redecoration of the Great Cupola of the Church of the Holy Sepulchre, Jerusalem – A UNESCO World Heritage Site Photo: John Walker

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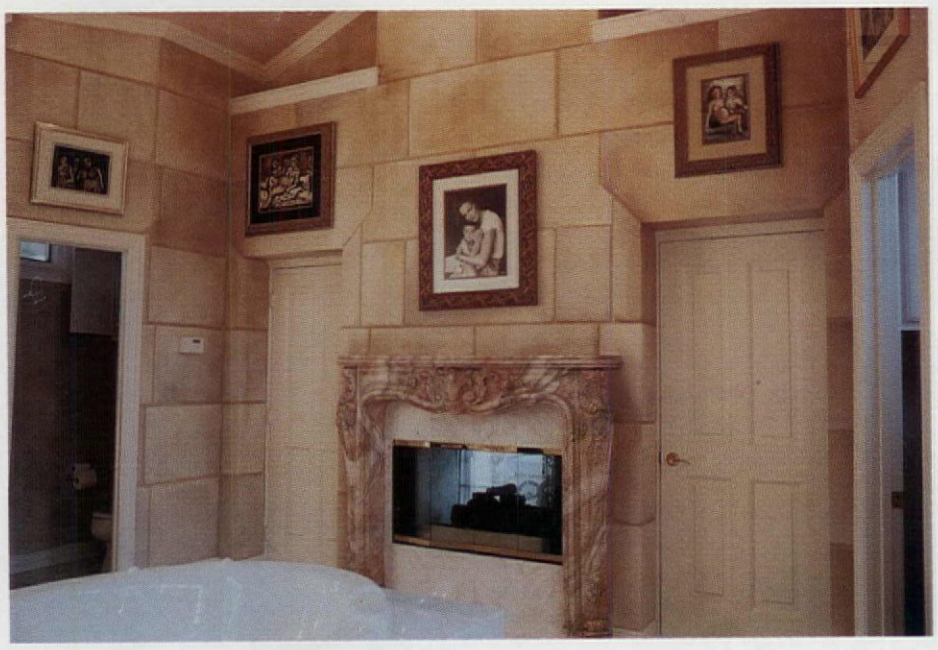
WRITE IN NO. 8980

DECORATIVE PAINTING PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 130-132.

The dome and cross atop the St. Anargyroi Greek Orthodox Church in Marlboro, Mass., were gilded with materials from SWIFT & SONS. *Write in No. 2490*

W.H. COE provides both domestic and imported gold-leaf products and gilding supplies, filling orders large and small. *Write in No. 399*



The faux-stone walls and faux-marble fireplace in this room were executed by JER GILES ARTWORKS.

A striking array of bronzing powders, metallic powders, and other finishing and decorative-painting products is available from GOLD LEAF & METALLIC POWDERS. *Write in No. 2655*

Master gilder John Sansbury demonstrates a range of EASY LEAF gilding supplies and techniques at the Restoration/San Francisco show. *Write in No. 1980*

That's not wallpaper surrounding the mantel but rather the stylish stenciling of V & OLGA DECORATING CO.

These Shaker boxes are authentic down to their colorful finishes, made with the products of THE OLD FASHIONED MILK PAINT CO. *Write in No. 5880*

Adicolor faux-finishing products, supplied by EUROPEAN CLASSIC DESIGNS, transform the character of this entranceway. *Write in No. 2679*

A spectrum of polishes, waxes, and brushes for decorative finishes and gilding can be obtained from SEPP LEAF PRODUCTS. *Write in No. 2880*

KELLY S. KING decorated this foyer using Venetian Gem plaster in stacked-stone-block pattern, which was color-embedded with a special embedding process. *Write in No. 2536*

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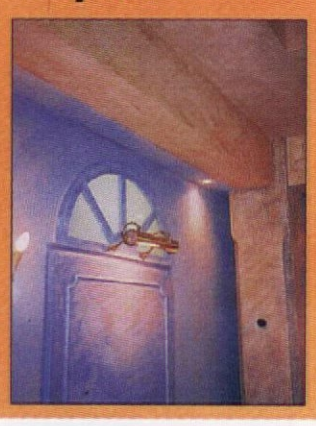

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TexSton products are offered in a wide range of decorator colors and are also available as a non-tinted base that allows tints, colorwashes and other decorative finishes.

Venetian Plasters are conveniently packaged in 1-gallon (5kg) or 5 gallon (25kg) pails. TexSton also offers workshops, tools and certification programs for trade professionals.

WRITE IN NO. 922

"The Great Seal of Texas" in the Texas Hall of State, Dallas, TX

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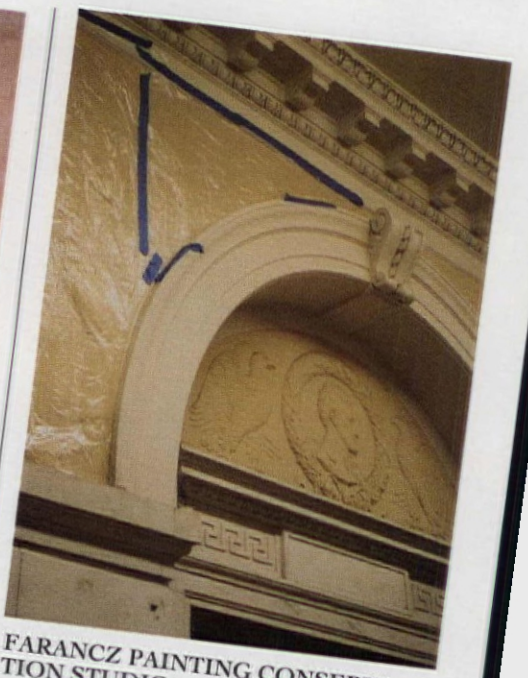
WRITE IN NO. 6230

DECORATIVE PAINTING PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 130-132.

The stenciling in St. Anne's Church in Houston, Tex., was re-created by THE GILDERS' STUDIO in casein and gilding. *Write in No. 8980*

Design Flair of California used products from THE TEXSTON COMPANY to create the terra-block look of the column and the subtle multi-color Venetian plaster on the walls. *Write in No. 922*



FARANCZ PAINTING CONSERVATION STUDIO was brought in by curators of The Borough Hall of Staten Island, N.Y., to conserve the 13 historic murals and surrounding plaster reliefs that adorn the lobby.

Authentic natural raw materials from KREMER PIGMENTS are used to formulate historical paints and finishes. *Write in No. 4910*

VIGINI STUDIOS hand-painted this three-panel screen, measuring 80 in. x 60 in., in Grottesca Motif. *Write in No. 2672*

This colorful Canadian moose, part of Toronto's "Moose In The City" public-art project, was gilded with multi-color foils by RITINS STUDIO. *Write in No. 4650*

This balcony reveals the impressive gilding provided by craftspeople of MARSHALL GOLD LEAF STUDIOS for the Palace of Versailles in France. *Write in No. 6230*

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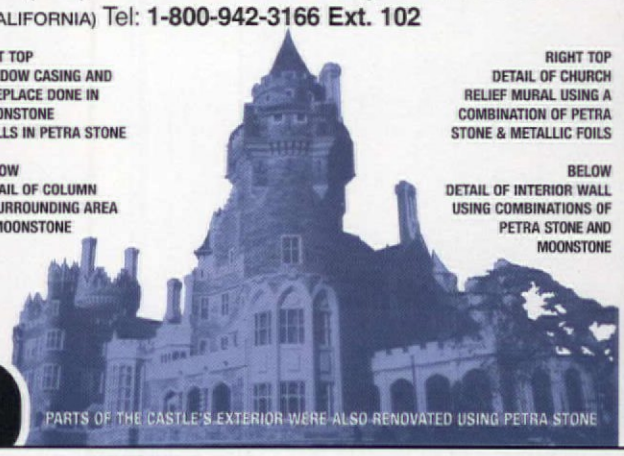
MOONSTONE

LEFT TOP
WINDOW CASING AND FIREPLACE DONE IN MOONSTONE WALLS IN PETRA STONE

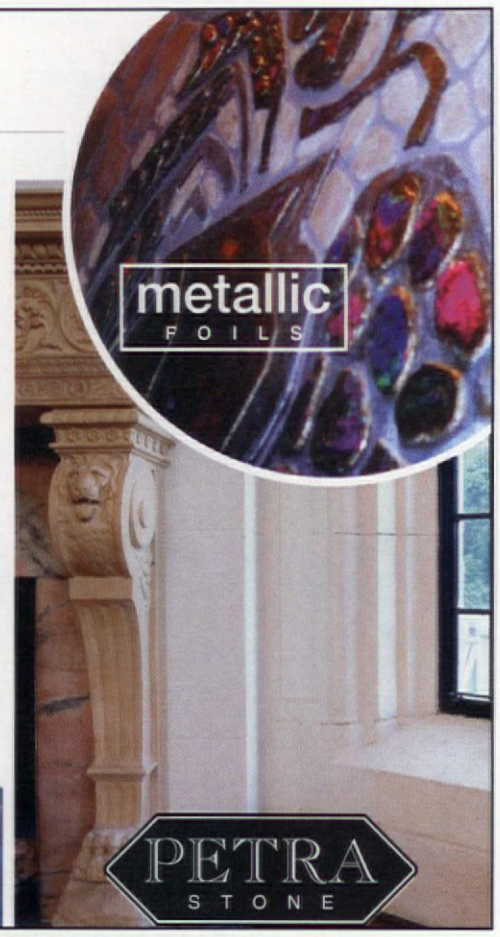
BELOW
DETAIL OF COLUMN & SURROUNDING AREA IN MOONSTONE



PARTS OF THE CASTLE'S EXTERIOR WERE ALSO RENOVATED USING PETRA STONE

RIGHT TOP
DETAIL OF CHURCH RELIEF MURAL USING A COMBINATION OF PETRA STONE & METALLIC FOILS

BELOW
DETAIL OF INTERIOR WALL USING COMBINATIONS OF PETRA STONE AND MOONSTONE



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SourceList 142-146
Portfolio 146-148

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There's a breakdown of sources of antique or new wood, and even data on the different wood species available from the various firms. With our *SourceList*, you can make the best choice for your situation without being floored by all the possibilites.

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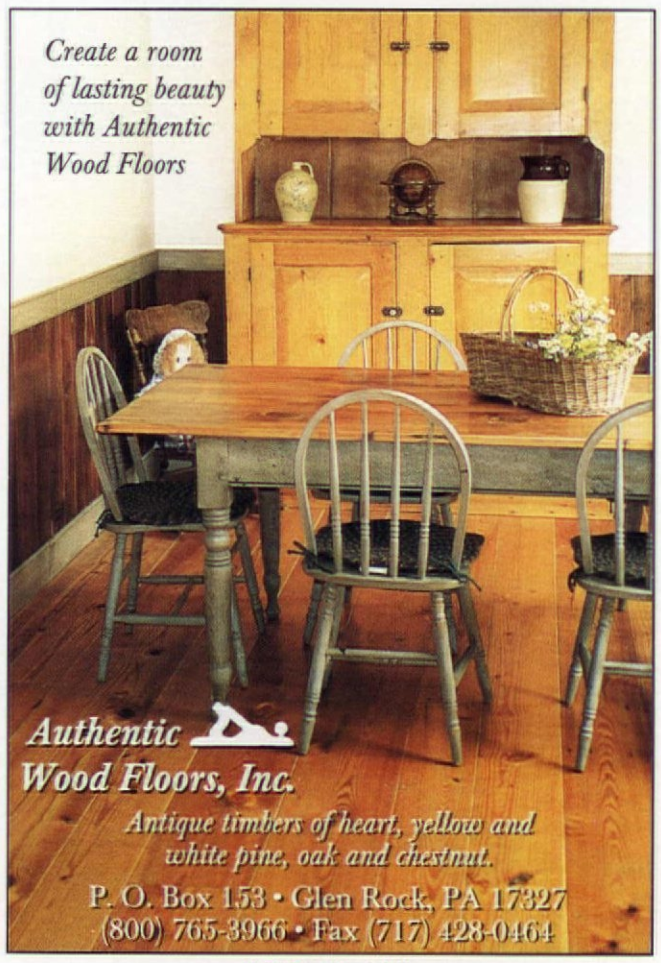

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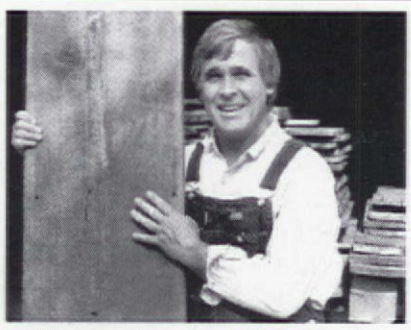

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			Wide Board	Strip	Random Width	Mosaic	Ornamental Borders	Parquet	Antique Wood	New Wood	Other	Chestnut	Maple	Oak	Pine	Heart Pine	Other
Aged Woods, Inc. 800-233-9307; Fax: 717-840-1468 www.agedwoods.com York, PA 17402	Rustic, recycled antique woods and beams for t-&-g plank flooring, timber framing, paneling, stair parts, moldings, and in dimensional form for cabinetry. Kiln-dried and milled. Wide plank, random-width, and antique flooring.	Free Write in No. 1320	✔	✔	✔				✔	✔		✔	✔	✔	✔	✔	Hemlock, poplar, hickory, ash
AJ Stairs, Inc. 800-4AJ-STAI; Fax: 732-905-8558 www.ajstairs.com Lakewood, NJ 08701	Manufacturer of all stair types in a variety of wood species; traditional and contemporary turnings and special millwork available.	Free Write in No. 1060								✔							As specified
All American Wood Register Co. 815-728-8888; Fax: 815-728-9663 www.allamericanwood.com Wonder Lake, IL 60097	Manufactures solid-wood floor, wall, and ceiling registers, and cold-air returns. Same-day shipping on all standard-size registers; custom sizes shipped within 48 hrs. 15- and 18-in. baseboards are also ready to ship.	Free Write in No. 70									Registers, vents, grilles						
America Heart Pine, Inc. 800-554-5765; Fax: 901-382-0577 www.americaheartpine.com Arlington, TN 38002	Specialist in antique heart-pine. Oak, pine, heart pine, chestnut, maple, cypress, and Douglas fir in new cut or vintage stock; other species available. Flooring, cabinets, door stock, molding, stair parts, air vents, beams.	Free Write in No. 4060	✔	✔	✔	✔	✔	✔	✔	✔		✔	✔	✔	✔	✔	Sinker heart pine & cypress, new red or white oak, new heart pine, Southern yellow pine, other domestics & exotics
Antique Woods & Colonial Restorations, Inc. 610-367-8193; Fax: 610-367-6911 www.vintagewoods.com Boyertown, PA 19512	Source of resawn and recovered vintage wood flooring, siding, beams, and mantels. Also, antique timber frames.	Free Write in No. 101	✔		✔				✔			✔		✔	✔	✔	Cypress
Architectural Timber & Millwork 800-430-5473; Fax: 413-586-3046 www.atimber.com Hadley, MA 01035	Fabrication of cupolas, steeples, and domes; survey, design, structural, ornamental fabrication, rigging, and installation services for historic structures. Timber-framing. Also, wide-plank flooring; doors, columns, cabinetry, more.	Free Write in No. 1323	✔														
Authentic Wood Floors, Inc. 800-765-3966; Fax: 717-428-0464 P.O. Box 153 Glen Rock, PA 17327	Lumber reclaimed from barns and warehouses and recycled into flooring, beams, paneling, molding, wainscoting, etc. Company mills and kiln-dries product.	Free Write in No. 8000	✔		✔				✔			✔		✔	✔	✔	Cypress
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Brandt, Sylvan 717-626-4520; Fax: 717-626-5867 www.sylvanbrandt.com Lititz, PA 17543	18th- and 19th-century building materials salvaged from old houses and barns. Specialist in antique and resawn flooring. Roof rafters, floor joists, and antique glass also available.	Free Write in No. 3950	✔		✔				✔			✔		✔	✔	✔	
Bruce Hardwood Floors 800-722-4647; Fax: 214-887-2234 www.bruce.com Addison, TX 75001	Manufacturer of hardwood floors. Flooring includes wide board, strip, parquet, and custom-crafted tiles. Offers a complete line of unfinished and prefinished trim, solid and engineered oak, and maple wood species.	Free	✔	✔				✔		✔	Custom-crafted tiles		✔	✔			
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Centre Mills Antique Floors 717-334-0249; Fax: 717-334-6223 www.igateway.com/mall/homeimp/wood/index.htm Aspers, PA 17304	Original period log cabins; antique flooring; hewn logs for rafters and joists (structural and decorative); doors; decorative architectural elements; porch posts; wavy glass; more.	Free Write in No. 1740	✔						✔								
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Chestnut Woodworking & Antique Flooring 860-672-4300; Fax: 860-672-2441 www.chestnutwoodworking.com West Cornwall, CT 06796	Original wideboard flooring and remilled tongue-&-groove flooring in chestnut, oak, white pine, heart pine, and hemlock. Kiln-dried. All recycled woods. Also, furniture-grade antique woods; hand-hewn beams; barn siding.	Free Call for more information	✔	✔	✔				✔			✔		✔	✔	✔	Hemlock
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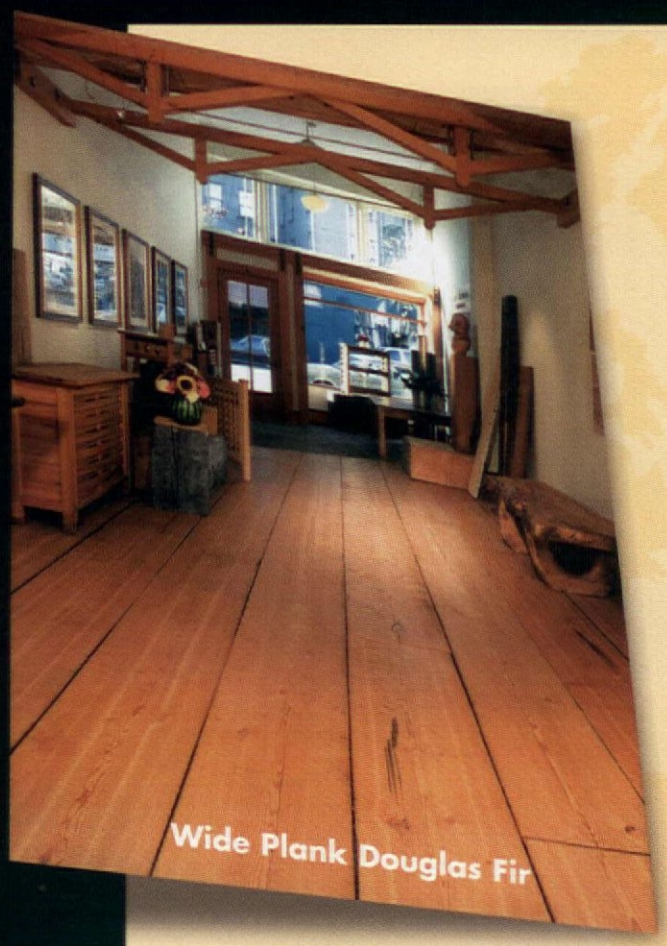

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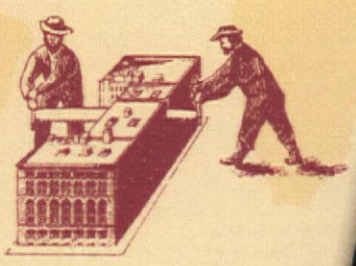

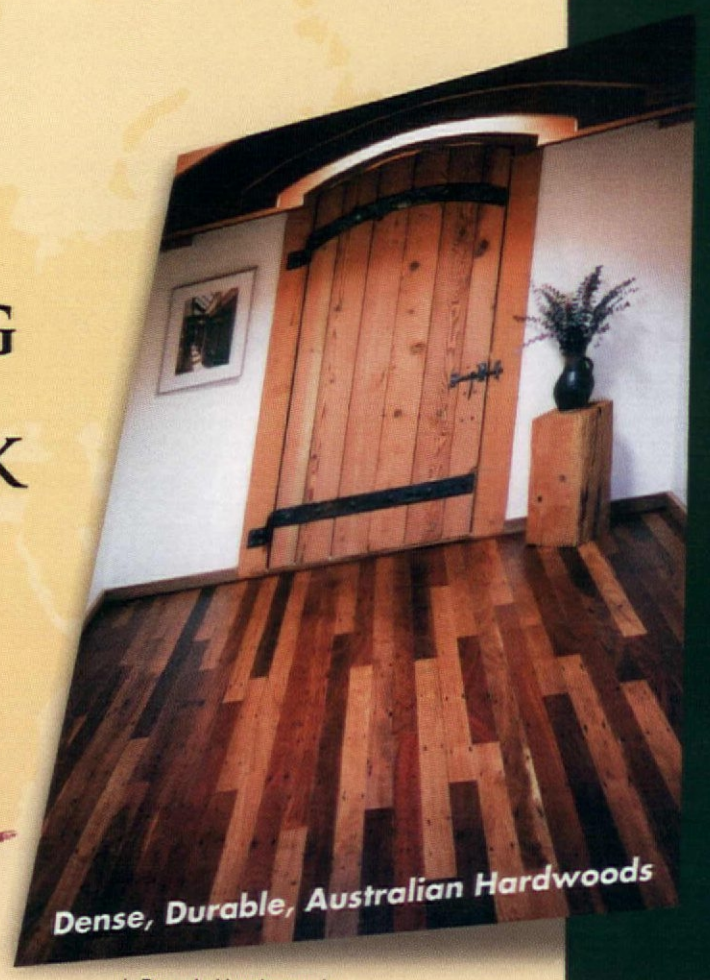

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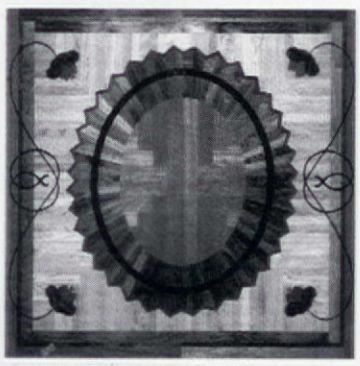

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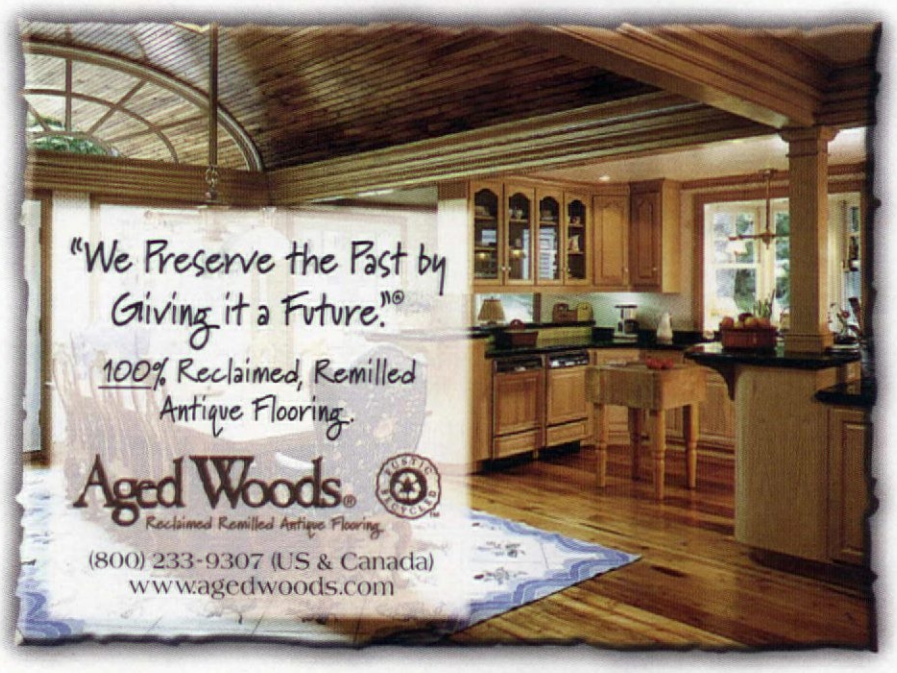

WRITE IN NO. 1320

TRADITIONAL BUILDING'S WOOD FLOORING *SourceList*

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			Wide Board	Strip	Random Width	Mosaic	Ornamental Borders	Parquet	Antique Wood	New Wood	Other	Chestnut	Maple	Oak	Pine	Heart Pine	Other
Hardwood Council 412-281-4980; Fax: 412-323-9334 www.hardwoodcouncil.com Oakmont, PA 15139	Coalition of 10 hardwood lumber and product trade associations promoting the use of North American hardwoods. Publishes 'Tips & Techniques' brochures on technical aspects of working with North American hardwoods.	Free															
Harvey Millwork, Inc. 410-822-7689; Fax: 410-745-9926 www.harveymillwork.com Bozman, MD 21612	Specialist in longleaf heart pine, three species available, native and imported. Custom flooring, doors, molding, paneling, vents/registers, mantels, trim, and stair parts; shipping worldwide.	Free Write in No. 3460	✔	✔	✔				✔							✔	
Henderson Corporation 800-888-9111; Fax: 208-368-0783 www.hendersoncorporation.com Boise, ID 83707	Manufacturer: antique flooring, dimensional selected grades for doors, cabinets, stairs. Supplier: original barn materials; floors, siding, hewn timbers, frames. Custom milling & texturing. Milled blanks for wholesale customers.	Free Write in No. 2756	✔		✔				✔	✔		✔		✔	✔		Douglas fir, larch
Heritage Door, LLC 734-414-7100; Fax: 734-414-7103 7667 Market Dr. Canton, MI 48187	Specializes in standard and custom interior and exterior door systems in Honduras mahogany. Jambs, astragals, brickmold, and exotic hardwood flooring.	Free Write in No. 1350	✔		✔					✔							Honduras mahogany, Rosita, Marapolan, Combillo, Granadillo
Historic Floors of Oshkosh 920-582-9977; Fax: 920-582-9971 www.oshkoshfloors.com Winneconne, WI 54986	Manufacturer of parquetry, decorative inlaid hardwood borders, geometric & laser-cut solid-wood medallions; stock and custom designs; easy to install.	Free					✔	✔			Medallions						As specified
Leatherwood, Inc. 615-799-1638; Fax: 615-799-1430 7106 Black Pine Road Fairview, TN 37062	General contractor specializing in all aspects of historic restoration. Services include providing antique building materials and architectural antiques, and the disassembling, moving, and restoration of historic buildings.	Free Write in No. 1228	✔						✔								
Lignomat USA, Ltd. 800-227-2105; Fax: 503-255-1430 www.lignomat.com Portland, OR 97230	Instruments to measure moisture in wood and soft and hard building materials, such as drywall or concrete. Also supply thermo-hygrometers, dataloggers, and other automatic recording devices for monitoring moisture.	Free Write in No. 1120									Moisture meters						
Longleaf Lumber 617-625-3659; Fax: 617-625-3615 www.longleaflumber.com Somerville, MA 02143	Antique lumber mill specializes in longleaf heart pine, chestnut, Eastern antique white pine, and other woods; flooring and custom milling; wide-plank and random-width boards. Also, barn boards.	Free Write in No. 272	✔		✔				✔			✔		✔	✔	✔	
Millwood Specialty Flooring 800-633-5667; Fax: 706-276-3301 P.O. Box F Ellijay, GA 30540	Manufactures Appalachian hardwood flooring in widths from 2-1/4 to 5 in.	Free	✔	✔	✔									✔			Ash
Mintec Corp. 410-296-6688; Fax: 410-296-6693 www.bamtex.com Towson, MD 21286	'Bamtex' bamboo flooring is as hard as hard maple, environmentally friendly, durable, and highlighted with interesting natural patterns.	Free Write in No. 55		✔													Bamboo
Mountain Lumber Co. 800-445-2671; Fax: 804-985-4105 www.mountainlumber.com Ruckersville, VA 22968	100% reclaimed antique woods rescued from 18th- and 19th-century factories, mills, rural buildings, and maritime structures. All material kiln-dried in own kilns, pre-squared, and available prefinished.	Free Write in No. 7140	✔	✔	✔				✔			✔		✔		✔	
National Oak Flooring Manufacturers Assn. 901-526-5016; Fax: 901-526-7022 www.nofma.org Memphis, TN 38173	Association for both solid & engineered hardwood-flooring manufacturers. It's the official source for specifications, technical data, and manufacturing and grading rules for hardwood flooring.	Free															
Northeast Millwork Corp. 401-624-7744; Fax: 401-624-8118 500 Eagleville Road Tiverton, RI 02878	Supplier of antique heart pine, old-growth recycled timbers, fir, chestnut, and pine. Manufacturer of flooring, stair treads, handrails, cabinetry, fine millwork, and moldings.	Free Write in No. 2794	✔	✔	✔				✔	✔	Custom flooring	✔	✔		✔	✔	Douglas fir
Osborn, Thomas D., Mosaic Hardwood Floors 413-532-9034; Fax: 413-532-0241 1421 Northampton St. Holyoke, MA 01040	Specializes in the custom design, fabrication, and installation of marquetry and inlaid floors, using native and exotic hardwoods. All work is done exclusively in 3/4-in. hardwood.	Free Write in No. 4790	✔	✔	✔	✔	✔	✔	✔	✔	Custom designs						All species, exotic & native
Partee Flooring Mill 870-234-4082; Fax: 870-234-8123 www.parteeflooring.com Magnolia, AR 71754	Source of flooring in solid red oak, white oak, hickory/pecan, and ash.	Free		✔										✔			Hickory/pecan, ash
Pioneer Millworks 800-951-9663; Fax: 716-924-9962 www.pioneermillworks.com Farmington, NY 14425	Firm creates high-quality reclaimed wood flooring, doors, molding, timbers, furniture, cabinetry, and stair parts from timber sourced from old building sites and barns.	Free Write in No. 6370	✔	✔	✔				✔			✔	✔	✔	✔	✔	Hickory, redwood
Precision Woodworks 512-756-6950; Fax: 512-756-2804 www.precisionwoodworks.com Burnet, TX 78611	Supplier of antique recycled timbers and resawn lumber products. Antique woods remilled for custom flooring and architectural products.	Free	✔	✔	✔				✔			✔				✔	Antique white pine, wormy white oak
Renaissance Floor In-Lays 415-553-8990; Fax: 415-553-8991 www.hardwoodfloorandinlays.com San Francisco, CA 94103	Designer and maker of hand-cut inlays for hardwood floors: medallions, borders, ornaments. Installation and all details of finishing also included.	Free				✔	✔	✔		✔							
Sabra International, Inc. 305-868-3663; Fax: 305-868-5447 300 71st St., Suite 430 Miami, FL 33141	Tropical American flooring from Latin America, in various widths and wood species.	Free Write in No. 2665	✔														Brazilian cherry, Brazilian walnut, Santos mahogany, Sirari/ rosewood purple-heart
Safari Thatch & Bamboo 954-564-0059; Fax: 954-564-7431 www.safarithatch.com Fort Lauderdale, FL 33305	All tropical- and jungle-theming materials, including thatch bamboo, rustic bamboo and eucalyptus fencing, exotic timber, int./ext. foliage. Also, ready-to-assemble thatch and bamboo kiosks, pavilions, trellises, fences, and more.	Free Write in No. 6591		✔													Bamboo
Salisbury Timberbuilt Homes 206-842-9999; Fax: Same as phone 7671 Day Road West Bainbridge Island, WA 98110	Small woodworking company specializes in custom projects, from lodge-style timber frames in recycled fir to garden trellises and outbuildings. Also, recycled beams and flooring.	Free	✔						✔								
South County Post & Beam 800-471-8715; Fax: 401-783-4494 www.scpb.net West Kingston, RI 02892	Full-service, design and build timber-frame company and wide-pine-flooring supplier. More than 20 years' experience with timber framing. Nationwide shipping of frame and stress-skin-panel enclosure systems.	Free Write in No. 134	✔												✔		
T.P. Higgins Co. 225-695-6006; Fax: Same as phone www.eatel.net/~antqpine/ Prairieville, LA 70769	Plank or T&G flooring from antique or new woods. Specializing in antique pine, oak, chestnut. "Dirty Top" wood floors, walls, ceiling. Stair treads, newel posts.	Free Write in No. 2778	✔	✔	✔				✔	✔		✔	✔	✔	✔	✔	Antique oak
Teak Imports International 800-886-8325; Fax: 912-638-6671 201 Skylane Boulevard Saint Simons Island, GA 31522	Exotic hand carved doors and other custom exotic wood carvings; wood flooring.	Free	✔	✔	✔			✔	✔	✔			✔	✔	✔	✔	Teak, merbeau, Hevea, Brazilian cherry

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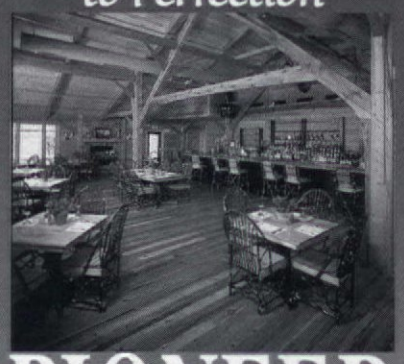

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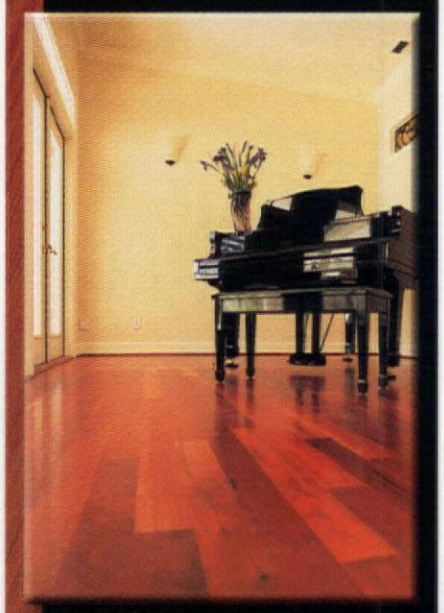
Wood



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TRADITIONAL BUILDING'S WOOD FLOORING *SourceList*

CSI# 09640

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COMPANY	SPECIALTY	Literature	TYPES OF FLOORING									WOOD SPECIES					
			Wide Board	Strip	Random Width	Mosaic	Ornamental Borders	Parquet	Antique Wood	New Wood	Other	Chestnut	Maple	Oak	Pine	Heart Pine	Other
The Woods Company 717-263-6524; Fax: 717-263-9346 www.thewoodscompany.com Chambersburg, PA 17201	Wide-plank flooring from new woods & remilled antique woods (heart pine, oak, chestnut, white pine); brush-textured flooring; stair parts; antique beams; floor decking; exposed-beam ceiling & joist systems; antique foundation stone.	Free Write in No. 5600	✔		✔				✔	✔		✔		✔	✔	✔	
Timberknee, Ltd. 800-720-9823; Fax: 802-763-5254 www.timberknee.com South Royalton, VT 05068	Traditional random-width plank flooring available in a variety of hardwoods and white pine; custom millwork trim packs; special orders; custom designer/builder on staff.	Free	✔		✔				✔	✔		✔	✔	✔	✔	✔	Walnut, hickory, birch, ash
Timeless Timber 888-653-5647; Fax: 715-685-9620 www.timelesstimber.com Ashland, WI 54806	Old-growth timbers harvested from the Great Lakes region during the 1800s, which are retrieved from the water, cut, and dried; for a variety of uses.	Free Write in No. 2604	✔	✔	✔		✔		✔	✔			✔	✔	✔		Ponderosa pine, larch
Tremont Nail Co. 508-295-0038; Fax: 508-295-1365 www.tremontnail.com Wareham, MA 02571	Manufactures decorative-head steel cut nails in 20 different patterns. Restoration nails a specialty. Cut nails can be used in all wood species except cedar. Also, Colonial hardware for windows and doors.	Free Write in No. 2669									Flooring nails						
Vintage Log & Lumber, Inc. 304-497-2700; Fax: 304-497-3651 www.vintagelog.com Renick, WV 24966	Small company specializing in antique hand-hewn log cabins and timber-frame barns. Hand-hewn beams, chestnut lumber, antique oak, poplar & pine for flooring and millwork. Hand-cut foundation & chimney stone; architectural salvage.	Free Write in No. 2753							✔			✔		✔	✔		Poplar

WOOD FLOORING PORTFOLIO

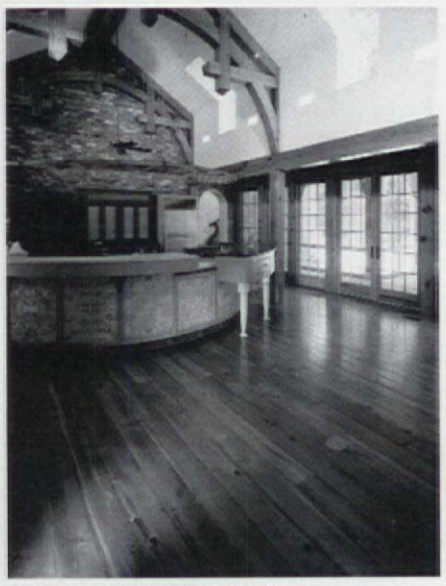
For full contact information on these companies, consult the SourceList on pp. 142-146.

Vintage chestnut was remilled into this handsome tongue-&-groove flooring by CHESTNUT WOODWORKING. *Call 860-672-4300 for information*

Black walnut flooring from HARVEY MILLWORK perfectly suits the period decor of this interior. *Write in No. 3460*

The handsome antique-wood flooring and beams of this interior were fabricated by T.P. HIGGINS COMPANY. *Write in No. 2778*

Before vintage chestnut beams can be remilled into flooring by AUTHENTIC WOOD FLOORS, workers have to remove any nails that are still embedded in the wood. *Write in No. 8000*



AMERICA HEART PINE converts reclaimed longleaf yellow-pine timbers into quality flooring. *Write in No. 4060*

For the reception area of the accounting firm of Clifton Gunderson, LLC, in Oshkosh, Wisc., parquet flooring was manufactured by HISTORIC FLOORS OF OSHKOSH, using red oak and Santos mahogany.

Flooring installers know the value of using a moisture meter thermo-hygrometer from LIGNOMAT, USA. *Write in No. 1120*

These antique boards have been neatly stacked for drying and remilling into quality flooring by CHESTNUT SPECIALISTS. *Write in No. 8780*

Wide pine flooring, a specialty of SOUTH COUNTY POST & BEAM, is surfaced on four sides to a finished face and traditionally joined with a square edge. *Write in No. 134*

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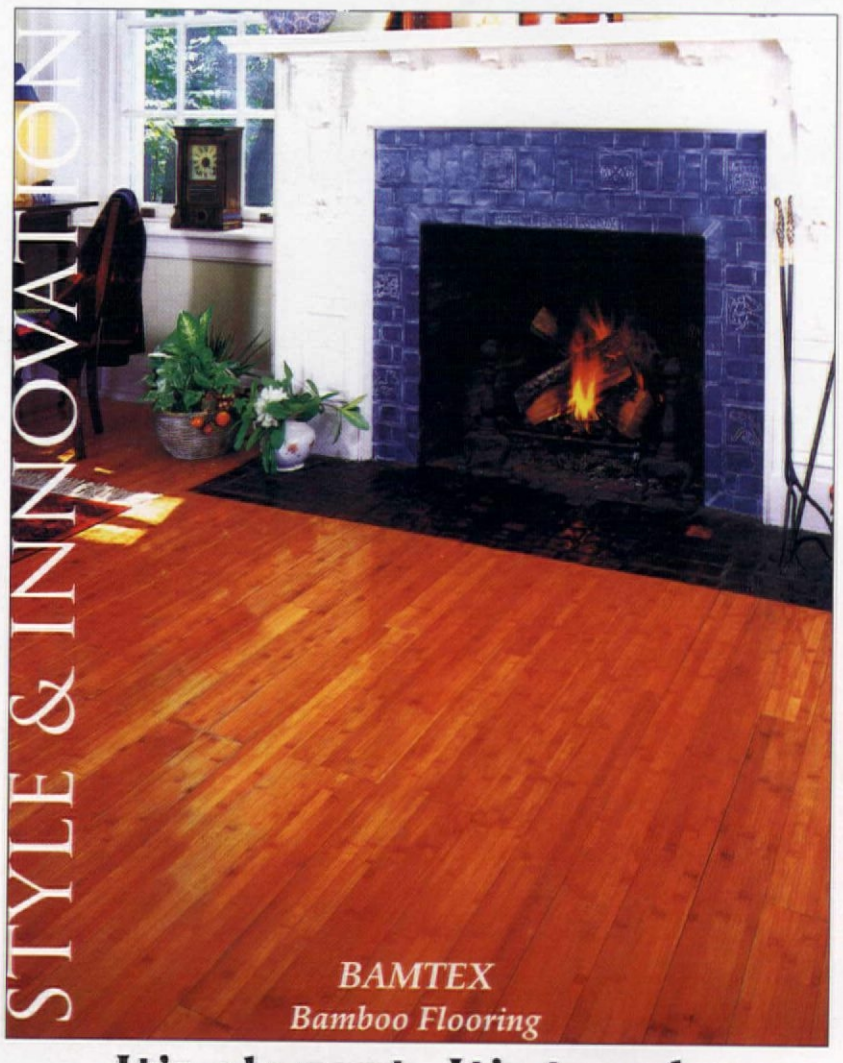

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WRITE IN NO. 55

WOOD FLOORING PORTFOLIO

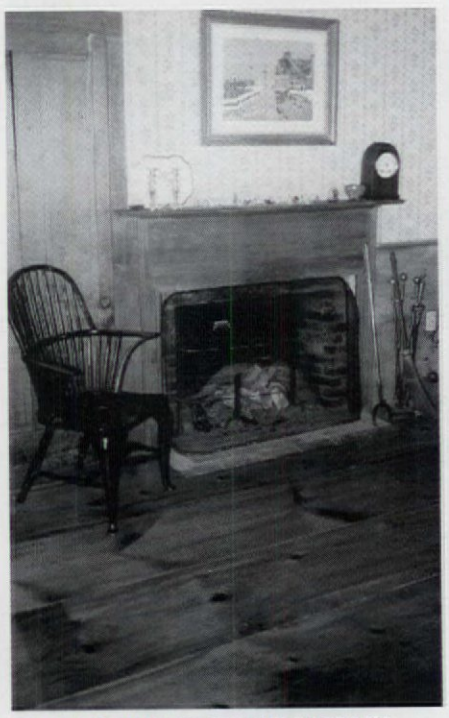
For full contact information on these companies, consult the SourceList on pp. 142-146.

Several types of vintage wood from MOUNTAIN LUMBER are showcased in this photo: The flooring is tidewater pine, the wall panels are authentic distressed historic heart pine, and the display cases use rift-grade historic heart pine. *Write in No. 7140*

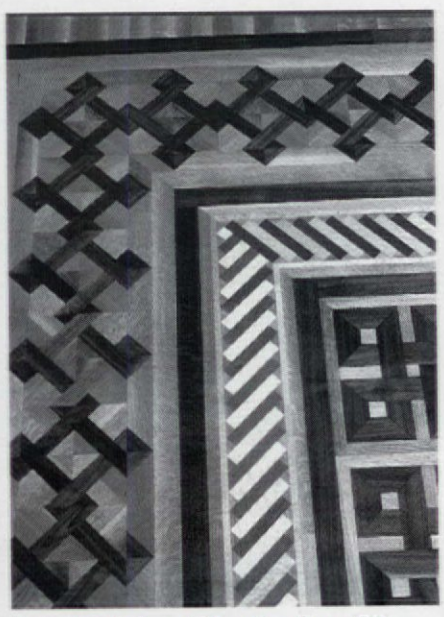
CORDTS FLOORING supplies reproduction antique flooring panels with a hand-crafted contoured surface. *Write in No. 522*

Bamtex bamboo flooring from MINTEC CORP. retains the look of bamboo but has the hardness of hard maple and is more stable than red oak. *Write in No. 55*

Random-width, distressed antique-oak flooring from AGED WOODS provides character for this general store. *Write in No. 1520*



CARLISLE RESTORATION LUMBER custom mills antique woods into wide-plank flooring in lengths up to 16 ft. *Write in No. 5580*



This detail shot of flooring from CR PARQUET FLOORS combines the firm's field pattern #F-2, border pattern #B-52, and continuous-border pattern #CB-2.

PRECISION WOODWORKS remills antique woods to create attractive custom flooring.

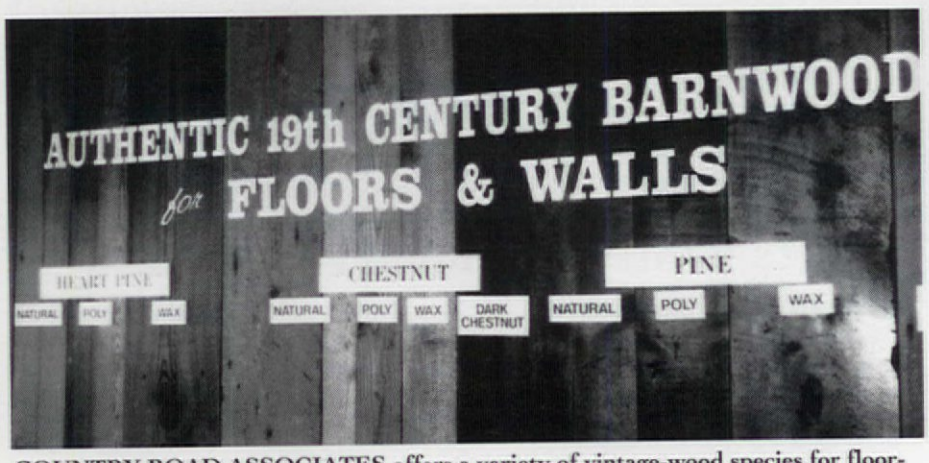
GOODWIN HEART PINE supplies quality antique heart-pine flooring made from reclaimed logs and timbers. *Write in No. 1330*

Wood registers such as this one from ALL AMERICAN WOOD REGISTER provide the appropriate complement to wood flooring. *Write in No. 70*

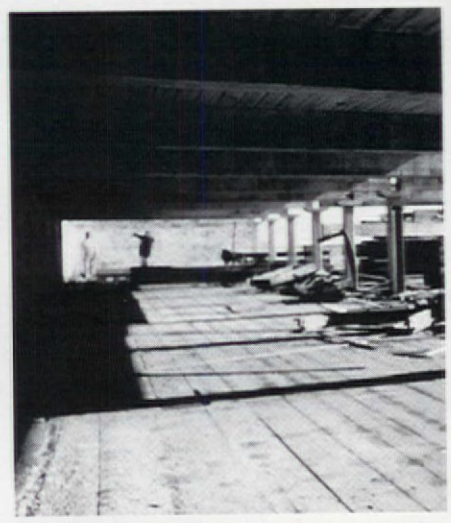
SALISBURY TIMBERBUILT HOMES made the 16-in. recycled bandsawn fir plank flooring of this cabin.

Resawn narrow heart pine flooring from SYLVAN BRANDT comes in widths from 3 to 5 in. and lengths from 5 to 16 ft. *Write in No. 3950*

The BD-2100 Digital Moisture Meter from DELMHORST INSTRUMENT is an effective way to determine the moisture levels in floor boards.



COUNTRY ROAD ASSOCIATES offers a variety of vintage-wood species for flooring, which are available stained, waxed, or left natural. *Write in No. 7480*



LONGLEAF LUMBER dismantled this old mill building in Massachusetts and reaped a harvest of longleaf pine beams to be remilled into flooring and other recycled-wood products. *Write in No. 272*

CRAFTSMAN LUMBER supplied this extra-wide pine flooring, as well as the wainscoting and vertical paneling. *Write in No. 4320*

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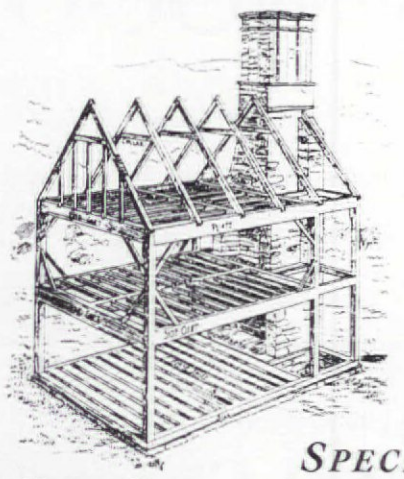

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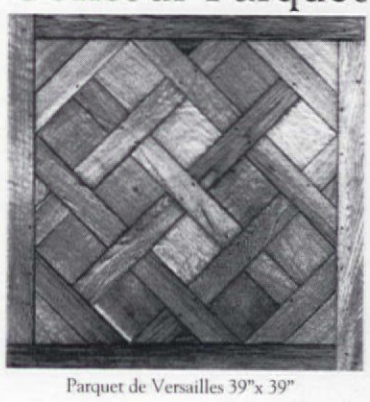

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Tel: 503/257-8957, 800/227-2105

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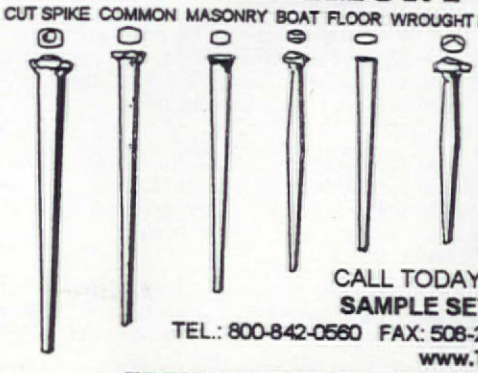

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WRITE IN NO. 2669

SourceList 150-152
Portfolio 154-156

DEMYSTIFYING NON-WOOD FLOORING

If the range of options in wood flooring seems somewhat daunting, the field of non-wood flooring is liable to appear downright scarey. First there's the question of materials: Should the floor be stone, ceramic, concrete, or something more unusual — maybe terrazzo or mosaic? If the spec calls for stone, do you want granite or marble or slate or limestone or sandstone or onyx or bluestone? New stone or antique? If you want ceramic, should it be pavers or tile? If you want concrete, should it be stained or colored or left in its natural hue? Cast-concrete pavers or poured-in-place flooring? And if you want something unusual, how about something even more unusual than terrazzo or mosaic — maybe cork or brick? Without the *SourceList* (starting below), you could find yourself paralyzed by the wealth of options currently available. With this overview, however, you can get a handle on 37 experts in non-wood flooring, and a better understanding of what the potentials are when you select a floor that was never a tree.

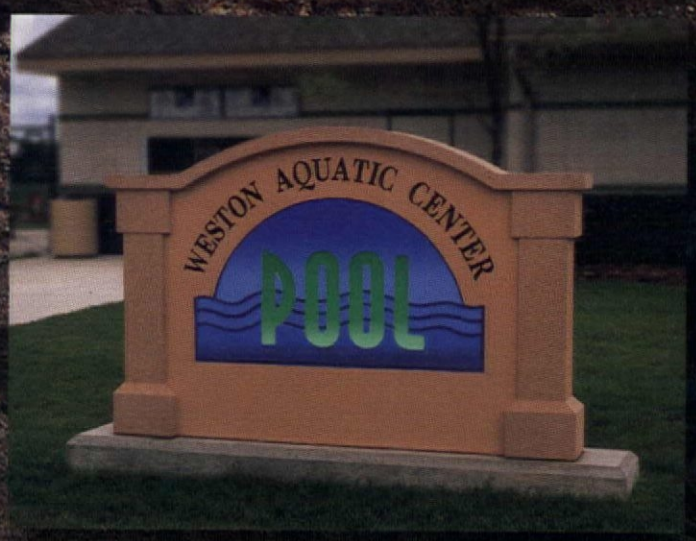
TRADITIONAL BUILDING'S NON-WOOD FLOORING *SourceList*

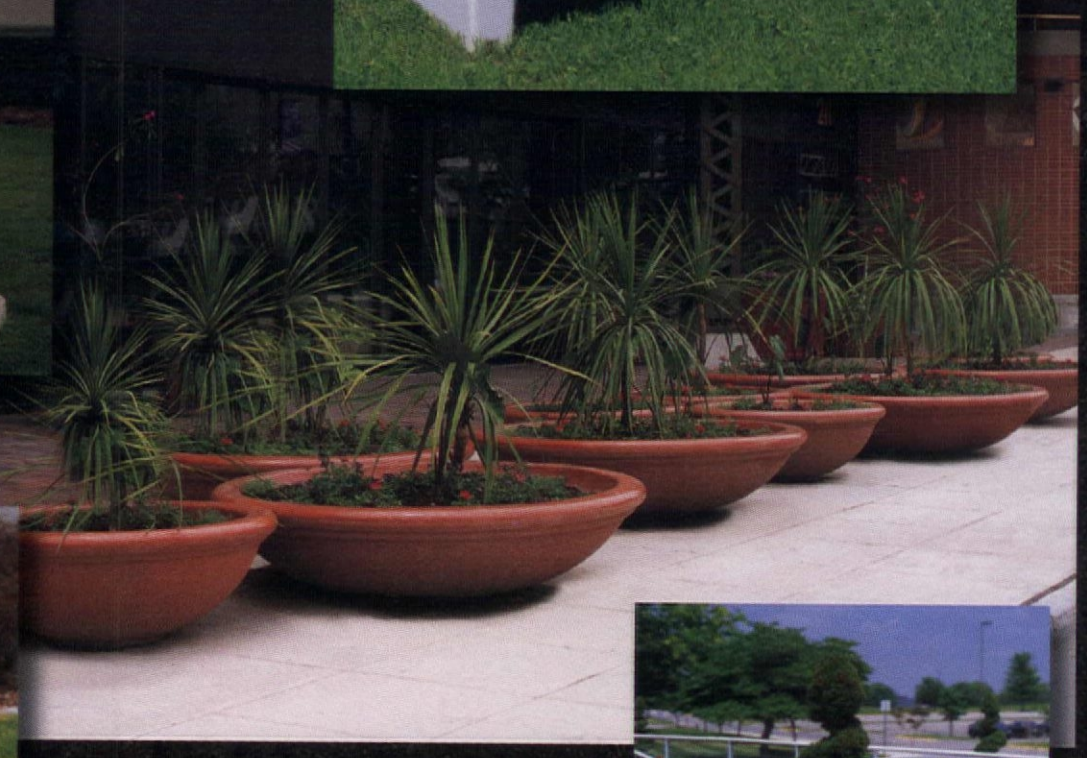
CSI# 09600

COMPILED BY COLE GAGNE

COMPANY	SPECIALTY	Literature	Quarry Tile	Ceramic Pavers	Terrazzo	Brick	Natural Stone	Cast-Concrete Pavers	Poured-in-Place	Mosaics	Cork	Other Flooring	Types of Stone	Water-Jet Cutting
Amsterdam Corp. 860-567-1350; Fax: 860-567-1141 P.O. Box 397 Litchfield, CT 06759	Handmade, hand-painted traditional Dutch Delft tiles from The Netherlands: individual tiles and tableaux.	Free Write in No. 3158										Decorative hand-painted tile		
Amtico International Inc. 800-268-4260; Fax: 404-267-1901 www.amtico.com OR www.stratica.com Atlanta, GA 30328	Supplier of Stratica non-vinyl flooring, which is chlorine-free, recyclable, and passes ISO 14001 environmental standards. Available in marbles, solids, and 15 wood colors.	Free Write in No. 2637	✔	✔	✔		✔			✔	✔	Metallics, glass, shell	Marble, granite, slate, limestone, bluestone	
Ancor Granite Tile 514-385-9366; Fax: 514-382-3533 www.ancor.ca Montreal, PQ, CANADA H3L 2C3	Manufacturer of natural-granite tile and modular panels for floors and walls, interior and exterior use.	Free Write in No. 120	✔				✔						Granite	
Architectural Heritage, Inc. 205-322-3538; Fax: 205-323-0084 www.architecturalheritage.com Birmingham, AL 35233	European architectural antiques for garden and home; wide selection of doors, mantels, garden elements. Outdoor lighting. Unusual and one-of-a-kind pieces.	Free Write in No. 2638										Reclaimed stone flooring		
Arizona Flagstone Corp. 602-273-6216; Fax: 602-273-7847 www.stoneinfo.com Phoenix, AZ 85008	Natural cleft-textured flagstone/sandstone. Available in stone tiles, pavers, and random irregular flagging in 4 standard colors for interior and exterior, commercial or residential. Custom fabrication.	Free					✔						Sandstone	
Artistic Pavers, Inc. 630-552-3408; Fax: 630-552-1737 www.artpaver.com Plano, IL 60545	Artisan Marty Kermeen hand-sculpts Chartres labyrinths with precision detail in any size and color, utilizing pavers, natural stone, ceramic or vinyl tile. Other labyrinth designs available. 10-year guarantee.	Free Write in No. 3007		✔			✔					Labyrinth designs		
Champlain Stone, Ltd. 518-623-2902; Fax: 518-623-3088 P.O. Box 650 Warrensburg, NY 12885	Guillotined and hand-split granite, quartzitic sandstone, and limestone for building veneer, wall stone, flagging, paving, step slabs, and landscape boulders.	Free					✔						Granite, limestone, sandstone	
Circle Redmont, Inc. 800-358-3888; Fax: 321-259-7237 www.circleredmont.com Melbourne, FL 32940	Structurally engineered frames of aluminum, steel, precast concrete, & cast iron, prefabricated & preglazed with glass block, glass pavers, glass bullets, or composite laminate glass. Walkable-surface glass skylights a specialty.	Free Write in No. 379										Glass pavers		
Clay Squared 612-781-6409; No Fax www.claysquared.com Minneapolis, MN 55418	Source of handmade ceramic tile, specializing in mosaics. Frost-resistant, 100-plus colors, custom work.	Free		✔						✔				
Conrad Pickel Studio, Inc. 561-567-1710; Fax: 561-569-1485 www.pickelstudio.com Vero Beach, FL 32966	Studio produces custom-designed stained glass, statuary, wood carvings, and mosaics for projects throughout North America. Inventor of Mosaicfront(TM), a decorative mosaic panel used as the front shutter for crypts and niches.	Free Write in No. 813								✔				
Country Flair Tile 860-927-3178; Fax: 860-927-4978 www.homeandgardendecor.com Kent, CT 06757	Granite, marble, slate, terra cotta, limestone, cement brick and tile, soapstone, ceramic tile, and an antique French collection of reclaimed terra cotta and limestone.	Free Write in No. 3081		✔	✔	✔	✔	✔		✔		Antique flooring	Limestone, terra cotta	
Dakota Granite Co. 800-843-3333; Fax: 605-432-6155 www.dakgran.com Milbank, SD 57252	Quarrier and manufacturer of Dakota mahogany granite in 12-x-12-x-3/8-in. and 18-x-18-x-1/2-in. tile; thin slabs, and custom tables and countertops.	Free					✔						Granite	
DePaoli Mosaic Co. 617-445-2381; Fax: 617-442-5618 www.depaolimosaic.com Boston, MA 02119	All types of terrazzo and seamless composition flooring; installations throughout New England (except western CT); Art Deco Terrazzo-Design assistance, restoration, recommendations, budget prices, and samples.	Free Write in No. 2320			✔									
Designs in Tile 530-926-2629; Fax: 530-926-6467 www.designsintile.com Mount Shasta, CA 96067	Custom tile including Victorian "cut-tile geometrics" & historically styled mosaics- 1 in. square edge "hex & spiral" patterns 3x6 in. subway tile & handcrafted faience tile. Victorian mosaic storefront entries. Custom work.	Free Write in No. 250	✔	✔						✔		Cut-tile geometrics, encaustics, hex & spiral mosaics		✔
Durable Slate Co. 800-666-7445; Fax: 614-299-7100 www.durableslate.com Columbus, OH 43201	Provides naturally weathered, antique flooring slate salvaged from buildings throughout the country. Available in a variety of colors. Other applications: hearths, countertops, walls, and stair treads. Worldwide shipping.	Free Write in No. 3720										Antique slate flooring	Slate	
Equipment of Culture 413-534-3555; Fax: By request www.eofc.com Holyoke, MA 01040	Hand-painted ceramic-tile murals, including custom and historic tile pictures of the type painted in Holland for the palaces of Europe. Custom-designed mosaics, figurative, naturalistic, geometric: easel, surface, and floor pieces.	Free Write in No. 1312								✔				

Terra-Form Concrete Site Amenities





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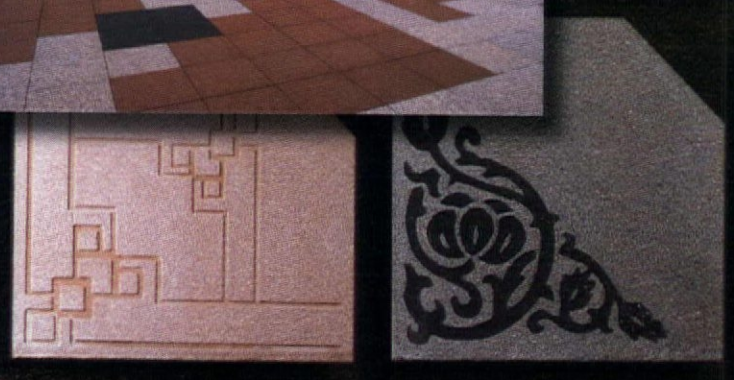

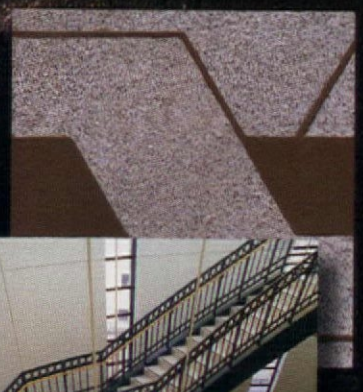

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WRITE IN NO. 4120

TRADITIONAL BUILDING'S NON-WOOD FLOORING *SourceList*

CSI# 09600

COMPILED BY COLE GAGNE

COMPANY	SPECIALTY	Literature	Quarry Tile	Ceramic Pavers	Terrazzo	Brick	Natural Stone	Cast-Concrete Pavers	Poured-in-Place	Mosaics	Cork	Other Flooring	Types of Stone	Water-Jet Cutting
Fishman Mosaics 305-758-1141; Fax: Same as phone www.georgefishmanmosaics.com Miami Shores, FL 33138	Specialist in pictorial mosaic imagery; traditional or contemporary styles. Artist uses hand-cut stone, glass smalti, and vitreous glass to create custom mosaics.	Free Write in No. 183								✔				
Heritage Glass, Inc. 435-752-5501; Fax: 435-752-3323 www.heritageglass.net Logan, UT 84341	Manufacturer of specialty-glass products, including dalle de verre and glass aggregate for terrazzo and industrial flooring.	Free Write in No. 3600			✔									
Hilltop Slate, Inc. 518-642-2270; Fax: 518-642-1220 www.hilltopslate.com Middle Granville, NY 12849	New York-Vermont natural roofing slate and flagstones in all colors, textures, sizes; semi-weathering and unfading shades. Specialists in color matching and roofing slate for restoration. Traditional slate-roofing tools available.	Free					✔						Slate	
Imagine Tile 800-680-8453; Fax: 973-771-0983 www.imaginetile.com Bloomfield, NJ 07003	Company uses computer graphics to create vivid, high-resolution imagery on durable ceramic tiles; custom images can also be produced.	Free		✔										✔
Kemiko Concrete Products, Inc. 903-587-3708; Fax: 903-587-9038 www.kemiko.com Leonard, TX 75452	Permanent concrete stain in six colors for interior and exterior use; will not fade, chip, or peel; nationwide shipping.	Free										Concrete stains for floors		
Krukowski Stone 800-628-0314; Fax: 715-693-7223 www.krukowskistone.com Mosinee, WI 54455	Quarrier, manufacturer, and fabricator of architectural and landscaping materials in Upper Cambrian Quartzite Sandstone: pavers, countertops, sills, coping, hearths, and flooring.	Free					✔						Granite, sandstone, gneiss	✔
London Tile Co. 419-929-1551; Fax: By request www.londontile.com New London, OH 44851	Glazed and unglazed floor, wall, and counter tiles. Tiles 3/8 in. thick, shipped in 10-sq.ft. packages with 3/8-in. mortar joint. Pavers manufactured in 3/8- up to 1-1/2-in. thickness.	Free Write in No. 500	✔	✔										
Marble Emporium, Inc. 312-226-4462; Fax: 312-226-4538 www.marblemporium.com Chicago, IL 60616	Source of stone for flooring and other architectural elements.	Free					✔			✔			Marble, granite, slate, limestone, sandstone	✔
Marble Systems, Inc. 703-204-1818; Fax: 703-204-1888 www.tureks.com.tr Fairfax, VA 22031	Manufacturer of tumbled stone: marble, travertine, limestone; tile, slab, mosaics, moldings, prefabricated borders.	Free					✔			✔			Marble, limestone, tumbled & antique stones, travertine	
Metropolitan Ceramics by Ironrock Capital 800-325-3945; Fax: 330-484-0480 www.ironrockcapital.com Canton, OH 44711	Ceramic quarry tile, 1/2-in.-thick, for indoor and outdoor use. Tiles feature low absorption, slip resistance, relieved edges, and blendable colors, sizes, and shapes. They are available in a variety of warm natural shades.	Free Write in No. 54	✔											
Mosaic Studio of Tim Snell 212-965-9670; Fax: 212-410-3391 443 Greenwich St., Ste. 4E New York, NY 10013	Full design, fabrication, and installation services: glass, stone, and ceramic mosaics; murals in oil and acrylic as well as Venetian stucco.	Free Write in No. 1311								✔				
Native Tile and Ceramics 310-533-8684; Fax: 310-533-8453 2317 Border Ave. Torrance, CA 90501	Custom and restoration tiles using blackline resist and relief methods. Mission, Craftsman, and Deco styles a specialty; inspired by Batchelder, Malibu, and Catalina tiles. Decorative trims, floor inserts, murals, fireplace fronts.	Free Write in No. 570										Decorative inserts, tile "rugs"		
Natural Cork, Ltd. 706-733-6120; Fax: 706-733-8120 www.naturalcork.com Augusta, GA 30904	Natural cork products including parquet tiles in 12x12 and 12x24 in. sizes; "Floating Floor" systems; cork floor underlayment rolls and sheets; and cork cleaning products.	Free Write in No. 2868									✔			
Ozer International LLC 877-257-5656; Fax: 973-497-5655 www.ozermarblegroup.com Harrison, NJ 07029	Firm has 12 quarries and 4 factories in Turkey and can do any cut-to-size projects in marble, limestone, travertine, and granite, including mosaics. Moldings, borders, tumbled stone.	Free	✔				✔			✔			Marble, granite, limestone, travertine, tumbled stones, Pattinato finished stones	
Puccio Marble and Onyx 718-387-9778; Fax: 718-387-5464 www.puccioonyx.com Brooklyn, NY 11211	Source of multi-color onyx and architectural gemstones at affordable prices, for applications from a table top to a complete residence.	Free					✔			✔			Marble, granite, limestone, onyx	
QC Construction Products 559-673-2467; Fax: 559-673-0773 www.qcconprod.com Madera, CA 93639	Comprehensive line of quality colors and products for architectural concrete; service and support.	Free										Colors for architectural concrete		
Roof Tile & Slate Co. 800-446-0220; Fax: 972-242-1923 www.claytile.com Carrollton, TX 75006	Large inventory 'in stock'; custom blending of clay tiles and used roofing slate; field tiles and trim are palletized and ready to ship; also, flooring for interior spaces, specialty trim for historical projects.	Free Write in No. 9560					✔						Slate	
Terra Designs Tileworks 973-328-1135; Fax: 973-328-3624 P.O. Box 913 Dover, NJ 07802	Firm designs, replicates, and/or fabricates ceramic specialty projects such as custom tile, mosaic work, or murals in terra cotta, stoneware, or porcelain.	Free Write in No. 2790	✔							✔		Decorative inserts, borders		
Tile Source, Inc. 770-993-6602; Fax: 770-993-0124 203 Mill Pond Road Roswell, GA 30076	Victorian-style decorative tiles, including true encaustic tiles & less-costly silk-screened simulations; mural & scenic tiles; kitchen tiles; London's famous "Blue Plaques," 20-in. diameter, in frostproof Staffordshire porcelain. Email: djmalk@aol.com	Free Write in No. 2846		✔										
Vermont Brick Manufacturing 781-934-7278; Fax: Same as phone P.O. Box 1763 Duxbury, MA 02332	Producer of traditional waterstruck brick, available through distributors. Call for nearest distributor. Also, large stock of clear-burn and flashed facebrick, pavers, and shapes available.	Free				✔						Thin pavers		
Wausau Tile, Inc. 800-388-8728; Fax: 715-355-4627 www.wausautile.com Wausau, WI 54402	Manufacturer of precast-concrete pavers in over 30 colors and terrazzo flooring in over 60 colors; matching accessories for both. Only manufacturer of terrazzo tile in USA. Also, precast-concrete site amenities.	Free Write in No. 4120			✔			✔				Terrazzo tile		✔

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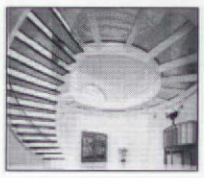

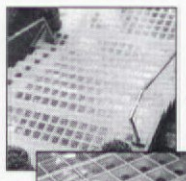

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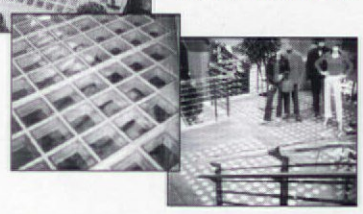

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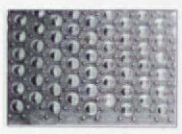

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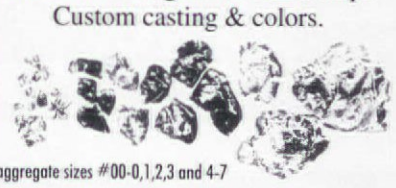

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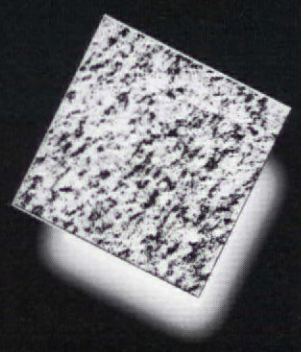

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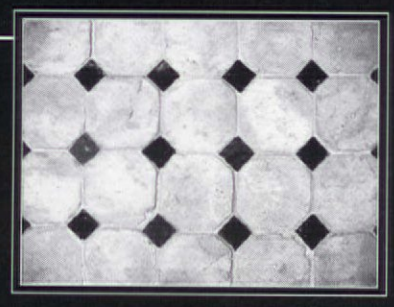

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WRITE IN NO. 2637

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WRITE IN NO. 500

NON-WOOD FLOORING PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 150-152.

Durable flooring from METROPOLITAN CERAMICS BY IRONROCK CAPITAL is an ideal choice for a busy public location such as this reception area. *Write in No. 54*

The Permanent Concrete Stain from KEMIKO CONCRETE PRODUCTS will last the lifetime of the surface to which it is applied.

Handmade and hand-painted tile from AMSTERDAM CORP., such as this polychrome scene of a windmill along a canal, are made in Holland based on historical methods, designs, and colors. *Write in No. 3158*

Granite flooring from ANCOR GRANITE TILE was specified for the heavily trafficked Eaton Centre in Montreal. *Write in No. 120*

Visitors to the Steffen Thomas Museum And Archives in Atlanta, Ga., appreciate the acoustical-insulation properties of cork flooring from NATURAL CORK. *Write in No. 2868*

Cambrian Cream thermal flooring from KRUKOWSKI STONE is made with a tool that applies a hot flame to the stone's surface, producing a rough texture.

Glass-bullet flooring from CIRCLE REDMONT enlivens the design of this department store. *Write in No. 379*

The line of precast-concrete "Impression" pavers from WAUSAU TILE includes the "Compass" and "Vine" patterns, seen here resting atop two pairs of "Shell Border" pavers. *Write in No. 4120*

This "Persian Rug" pattern created by NATIVE TILE & CERAMICS transforms the showroom floor of Mission Tile West in South Pasadena, Calif. *Write in No. 570*

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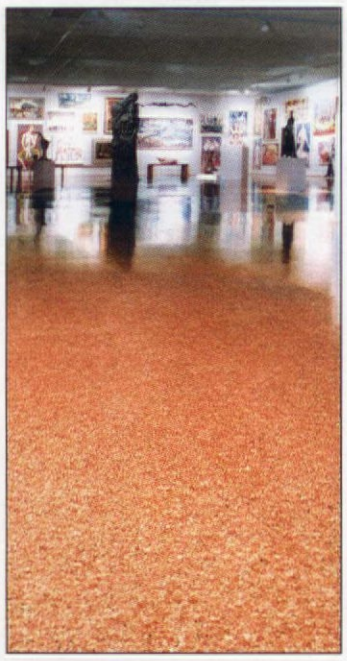

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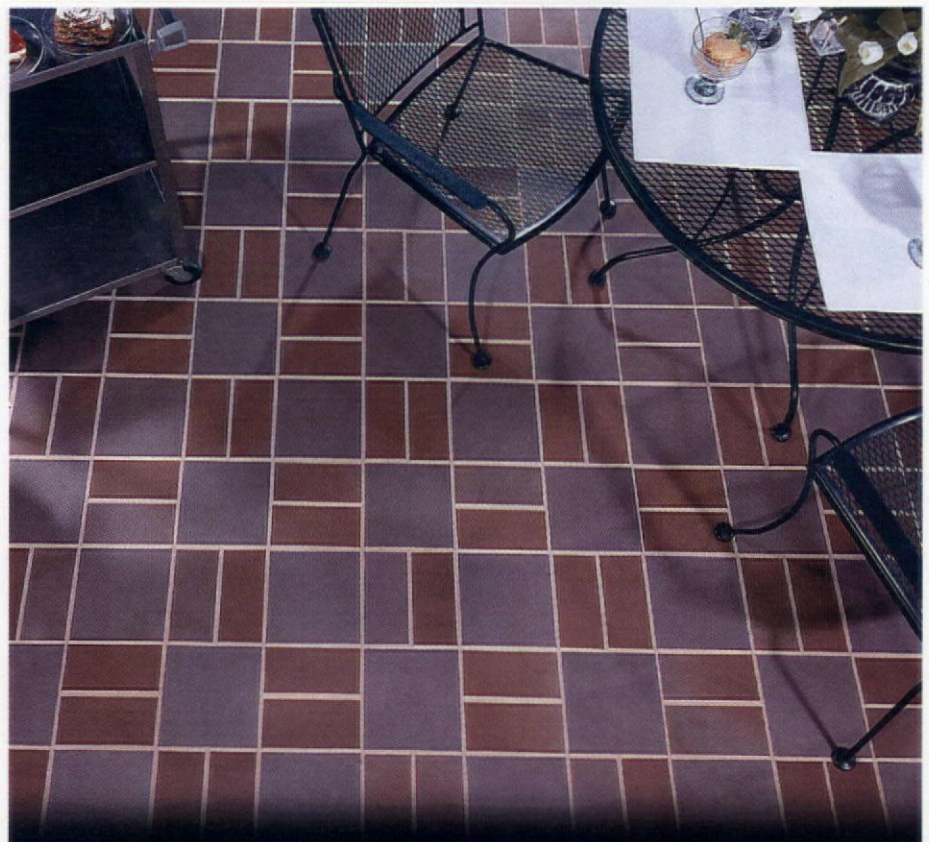

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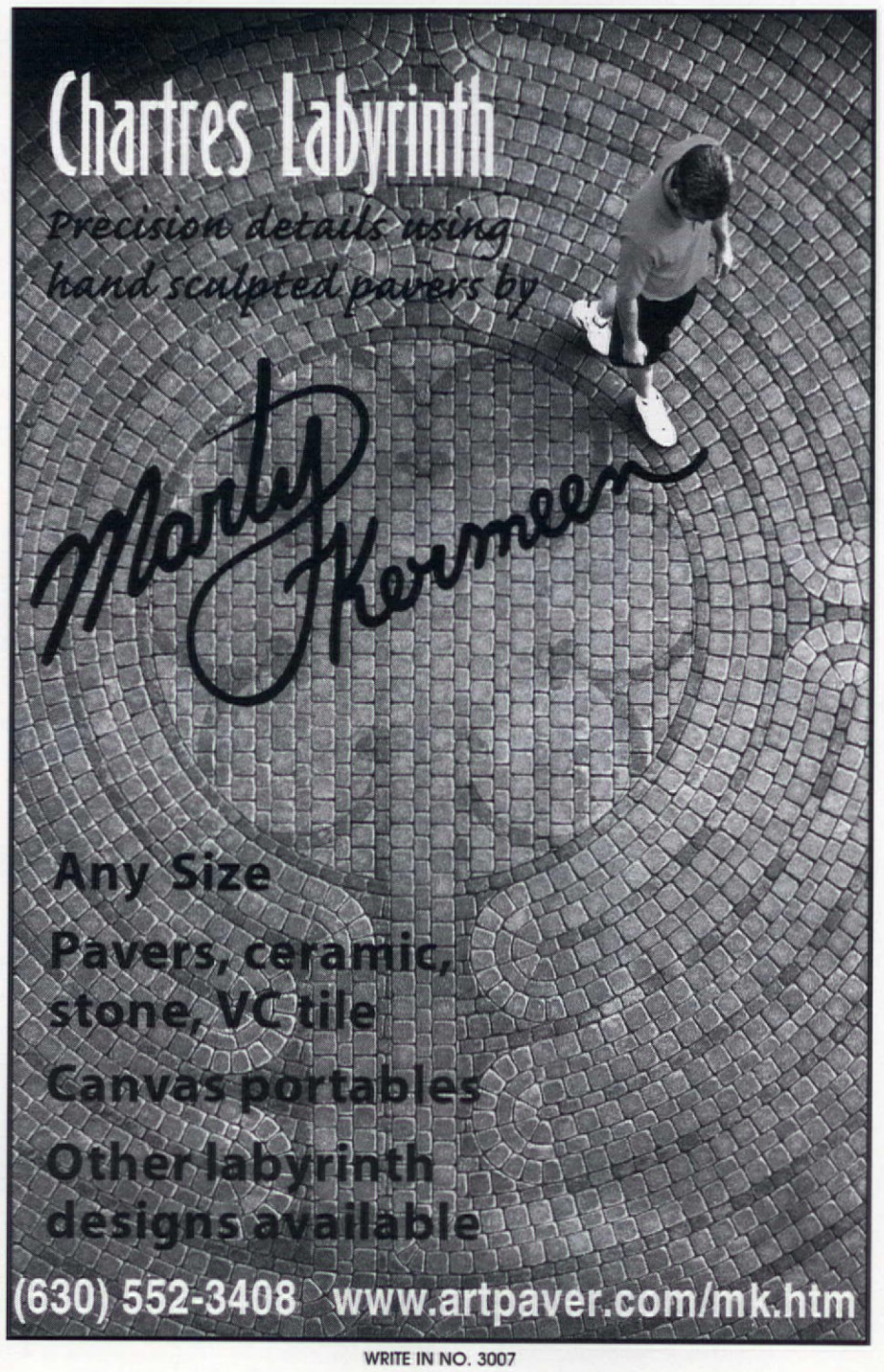


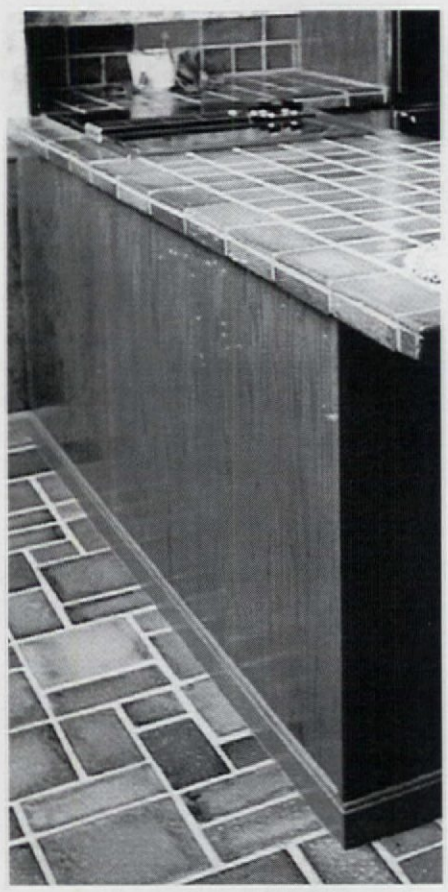
WRITE IN NO. 3007

NON-WOOD FLOORING PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 150-152.

Reclaimed French terra-cotta tiles and limestone flooring are only some of the many products available from COUNTRY FLAIR TILE. *Write in No. 3081*

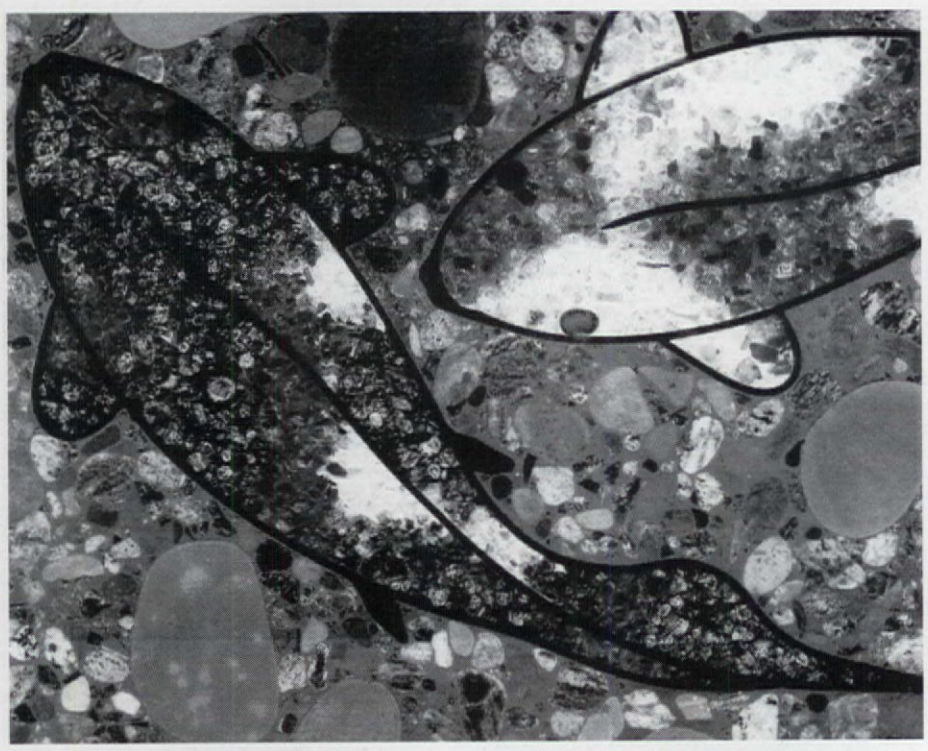
THE DURABLE SLATE COMPANY floored its offices with its own product: antique architectural slate, produced from salvaged roofing slate. *Write in No. 3720*



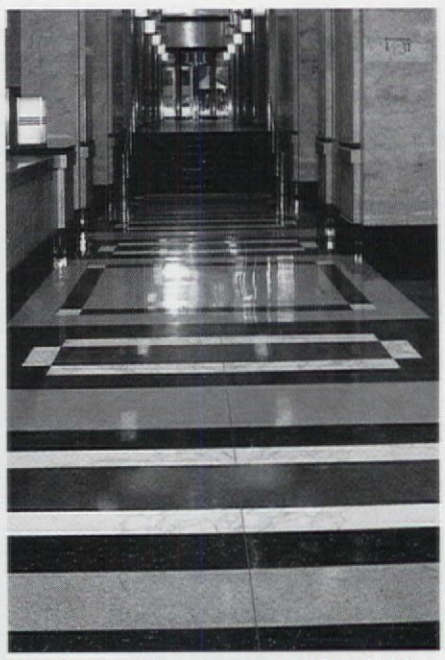
Glazed tilework from LONDON TILE COMPANY provides handsome flooring as well as an effective countertop and backsplash in this kitchen. *Write in No. 500*

VOC-free and inherently flexible, Stratica is a non-vinyl flooring from AMTICO INTERNATIONAL that can simulate the appearance of stone, terrazzo, or as shown here, wood: Those "oak" floorboards and "cherry" border are actually all Stratica. *Write in No. 2657*

Granite floor tile from DAKOTA GRANITE adds warmth and lustre to this office space.



Three of the 18 standard colors of glass aggregate offered by HERITAGE GLASS were chosen for this terrazzo art piece, "Koi" by John Labalestra, which was cast in latex cement. *Write in No. 3600*



For the Art Deco-inspired lobby of this Boston office building, DEPAOLI MOSAIC supplied flooring with three colors of terrazzo and two colors of marble inserts. *Write in No. 2320*

TILE SOURCE supplied the faux-encaustic tiles by Original Style of England, which were used in the lobby of this Bahamas hotel. *Write in No. 2846*

SourceList 158
Portfolio. 160

MAKING MOLDMAKING CHOICES

If you've ever tried to replace a vintage architectural element or ornament or furniture component, you know how tough it can be to find the right item. If you've gone that extra mile to cast your own replacement part, however, you know how well the results can work — if you've used the right materials for the application. With the *SourceList* on page 158, you're assured of finding the best supplier of moldmaking and casting materials. We've listed the leaders in the field, and provided a breakdown of the kind of materials they provide: rubbers, silicones, epoxies, and of course polys -urethane, -sulfide, and -ester resin. We've even noted which firms offer additional options, such as tools, release agents, and technical support.

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TRADITIONAL BUILDING'S *SourceList for* MOLDMAKING & CASTING MATERIALS

CSI# 09240

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COMPANY	SPECIALTY	Literature	MOLDMAKING MATERIALS: Alginates	Depolymerized Rubber	Epoxy	Latex Rubber	Polyester Resin	Polysulfide	Polyurethane	Silicones	Other	Casting Compounds	Other Products
Abatron, Inc. 800-445-1754; Fax: 262-653-2019 www.abatron.com Kenosha, WI 53144	Manufacturer of moldmaking compounds for use in situ and for deep undercuts; casting compounds for interior and exterior castings; release agents.	Free Write in No. 1300			✔				✔			Epoxy, gypsum	Release agents, technical support
Architectural Polymers 570-386-3111; Fax: 570-386-3777 RR 2, Box 191-A1 New Ringgold, PA 17960	Manufactures flexible molds for historical restoration and architectural ornmamentation. Full-service supplier of flexible-mold materials. Also offers technical consultations.	Free Write in No. 75	✔		✔	✔		✔	✔	✔			Technical support, tools
Ball Consulting 724-266-1502; Fax: 724-266-1504 www.ball-consulting-ltd.com Ambridge, PA 15003	Supplies Forton-modified-gypsum casting system for creating interior and exterior architectural and landscape elements. Consulting and technical service. GFRC and Polytek mold-making materials. Studio for training and prototyping.	Free Write in No. 7260	✔			✔			✔	✔		GFRC, gypsum, polymer-modified gypsum, polyurethanes	Tools, release agents, technical support
Cementex Latex Corp. 212-741-1770; Fax: 212-334-8349 www.cementex.com New York, NY 10013	Supplies mold-making materials for a wide range of needs in restoration and architectural reproductions. Among the molding-compound products are a brush-on natural latex, pourable polysulfide rubber, and pourable silicone rubber.	Free Write in No. 2644				✔		✔		✔			
duoMatrix, Inc. 888-765-9835; Fax: 610-252-6200 www.smooth-on.com Easton, PA 18042	Has a polymer additive system for alpha-gypsum plasters. Matrix-G enhances physical and performance properties. Castings are stronger, have a shorter de-mold time, and exhibit weather- and UV-resistance.	Free Write in No. 811										Polymer additive system for alpha-gypsum plasters	
Glass Schell 713-668-6114; Fax: Same as phone www.glassschell.com Houston, TX 77005	North America licensee for 'Gelflex,' a polyvinyl-rubber moldmaking compound that can be remelted and reused to make new molds.	Free									Gelflex reusable polyvinyl rubber		
Hotwire Direct Foam Cutting Machines 800-555-4042; Fax: 509-751-1910 www.hwdirect.com Clarkston, WA 99403	Source of hot-wire foam-cutting machines for making expanded-polystyrene moldings.	Free Write in No. 3169											Hot-wire foam-cutting machines
Larsen Products Corp. 800-633-6668; Fax: 301-776-2723 www.larsenproducts.com Jessup, MD 20794	Surface-applied bonding agents for interior and exterior applications of plaster; acrylic admixture to modify portland cement, plaster, and mortar.	Free Write in No. 226										Bonding agents	
Mandish Research International 321-267-2561; Fax: 321-268-1972 www.mandish.com Mims, FL 32754	Producer of composite fiberglass molds for architectural precast concrete; columns, archways, planters, and more. Stock molds for over 100 balustrade designs. Custom molds available.	Free Write in No. 875									Fiberglass		
Polytek Development Corp. 800-858-5990; Fax: 610-559-8626 www.polytek.com Easton, PA 18042	Manufactures liquid mold rubbers, including polyurethanes, latex, silicones, & polysulfides; liquid polyurethane & expoy casting materials. Also, release agents, tools, accessories; catalogs, newsletters, videos, seminar/workshops.	Free Write in No. 6360	✔		✔	✔		✔	✔	✔		Epoxy, polyurethanes	Tools, release agents, technical support
Precision Converting 800-281-2307; Fax: 713-934-1655 www.precisionconverting.com Houston, TX 77040	Full line of liquid urethanes (pourable and brushable) and silicones for flexible molds and castings. High-quality reproductions of originals with long mold life. Full line of moldmaking supplies.	Free Write in No. 58							✔	✔			Tools
Rhodia VSI Silicones 800-356-7560; Fax: 518-285-6346 www.silicones.us.rhodia.com Troy, NY 12180	Full line of new technology molding and tooling products; two-component systems featuring easy processing, deep-section cure, and tear-resistance.	Free Write in No. 791								✔			Technical support
Silicones, Inc. 336-886-5018; Fax: 336-886-7122 www.silicones-inc.com High Point, NC 27261	Since 1973, formulator of two-part RTV moldmaking silicones. Brushable, pourable in a variety of hardnesses and viscosities.	Free								✔			Technical support
SKW Biosystems 800-654-2396; Fax: 262-549-2577 www.skw-gelatin.com Waukesha, WI 53187	Source of "Technical Gelatin," used for mold preparation in casting plaster duplicates; a pure, natural product that is both environmentally friendly and completely non-hazardous. Used molds can be recycled.	Free									Technical Gelatin		
Smooth-On, Inc. 800-762-0744; Fax: 610-252-6200 www.smooth-on.com Easton, PA 18042	Manufacturer of liquid urethane and silicone mold rubber compounds that can reproduce any original model. Rubber can be poured, brushed, or sprayed on at the job site and is ready the next day for production casting.	Free Write in No. 650			✔			✔	✔	✔		Epoxy, polyurethanes	Release agents, technical support

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Examples of some of our popular products by category:

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WoodEpox: structural adhesive paste and wood substitute, used in any thickness to fill, add or modify. It can be sawed, carved, machined, nailed, sanded, stained, painted.

LiquidWood: liquid, penetrating consolidant for restoring strength and function to rotted or spongy wood.

Both **LiquidWood** and **WoodEpox** permanently restore structures, windows, furniture, columns, frames, statuary, boats and most rigid surfaces, and impart water and insect resistance.

Stone, Concrete, Masonry Restoration

AboCrete: to permanently repair, resurface fill and bond driveways, floors, decks, swimming pools, most damaged rigid surfaces, concrete, wood, metal and other surfaces.

AboWeld 55-1: structural thixotropic paste to permanently repair or reshape stairs, statuary and vertical surfaces without forms.

AboWeld 8005-6: to bond new poured concrete to old concrete and other surfaces.

AboCoat and Abothane Series: protective coatings for floors, walls, tanks, tubs, boats. Water dispersions, solvent systems or 100% solids.

AboJet Series: for structural crack-injection, in a wide range of viscosities and other properties.

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MasterMold 12-3: non-toxic polyurethane paste for flexible, large and small molds. Best for architectural components, columns, capitals, statuary, moldings, decorative and structural elements. Excellent elasticity, form retention and number of castings.

MasterMold 12-8: liquid 12-3 to pour flexible molds.

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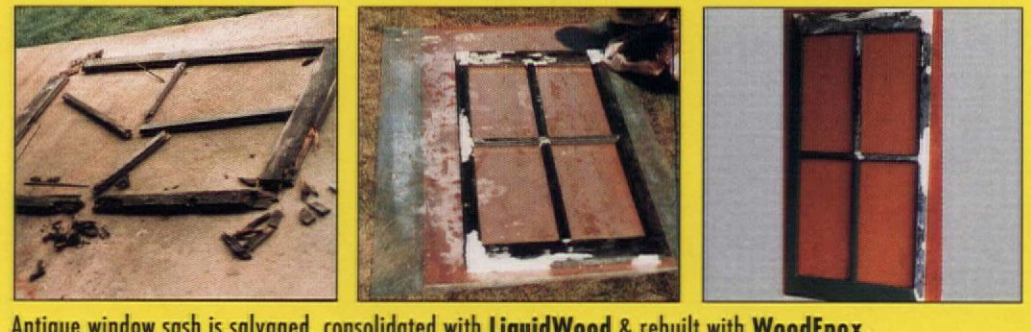
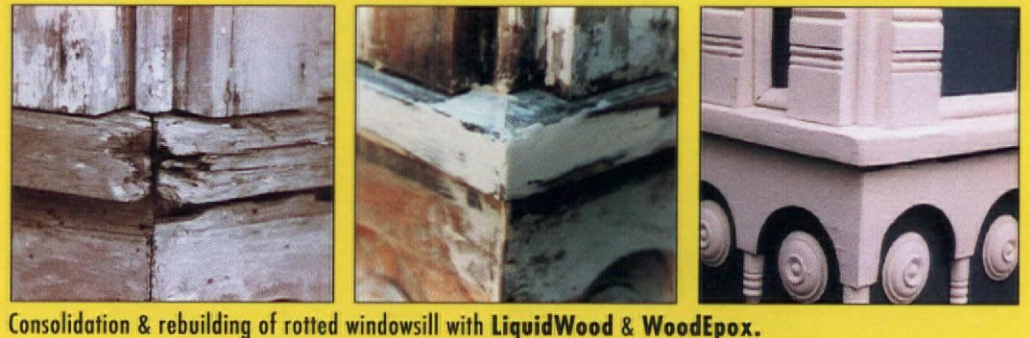
Many other products are also available. Their number increases continuously to meet any new requirement or preference.

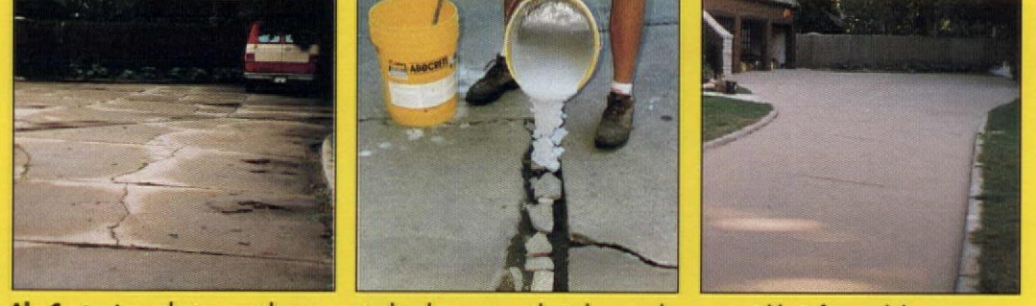
Rotted & infested base of a loadbearing column is completely sawed off & replaced with **WoodEpox.**



Antique window sash is salvaged, consolidated with **LiquidWood** & rebuilt with **WoodEpox.**



Consolidation & rebuilding of rotted windowsill with **LiquidWood** & **WoodEpox.**



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AboWeld 55-1, is much stronger than concrete & shapes without forms on steps & difficult surfaces.

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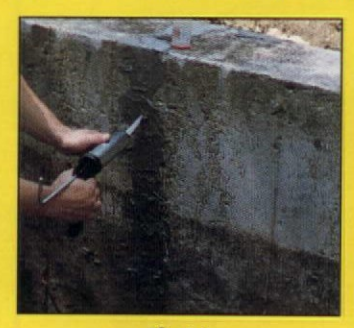

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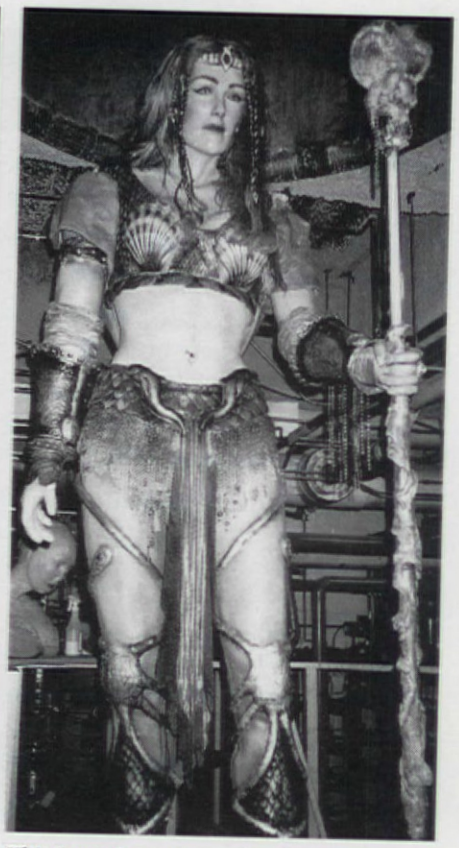
WRITE IN NO. 1300

MOLDMAKING & CASTING MATERIALS

For full contact information on these companies, consult the SourceList on page 158.

Forton MG supplied by BALL CONSULTING was used to create such architectural elements as the columns, quoins, and balusters of this exterior. *Write in No. 7260*

"Journel Line" by Wopo Holup, on display in Highlands University in Las Vegas, N.M., was fashioned using mold materials from ARCHITECTURAL POLYMERS. *Write in No. 75*



This imposing animated sculpture, part of an elaborate fountain display at Caesar's Palace in Las Vegas, uses RHODIA VSI Silicone for skin. *Write in No. 791*

The task of fashioning expanded polystyrene moldings is greatly simplified with the foam-cutting machinery of HOTWIRE DIRECT. *Write in No. 5169*

SKW BIOSYSTEMS supplies Technical Gelatin, the modern equivalent of animal glue, used for mold preparation in the casting of plaster replicas.

POLYTEK's Poly 74-29 one-to-one mix liquid polyurethane mold rubber was used to create a thin, tough, flexible blanket mold for the reproduction of a concrete gargoyle. *Write in No. 6360*

Smooth-Cast 315 UV from SMOOTH-ON yields bright white castings (right) that will darken slightly over time but will not yellow when exposed to ultra-violet light — unlike the casting at left, made with a general purpose casting resin, which yellowed after one day of UV exposure. *Write in No. 650*

"Gelflex" is the reusable polyvinyl mold rubber available from GLASS SCHELL.

The "Mastermold" polyurethane mold-making compound from ABATRON can be used with such casting materials as epoxy, polymer concrete, polyurethane resins, and plaster of Paris. This cast table leg (held beneath the wood original) was made with an epoxy compound. *Write in No. 1300*

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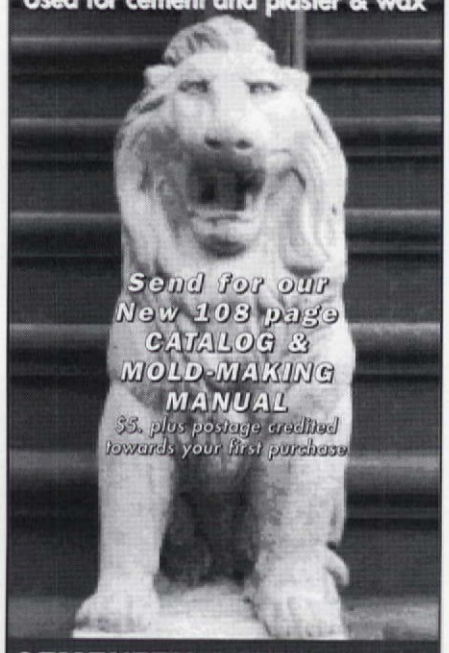

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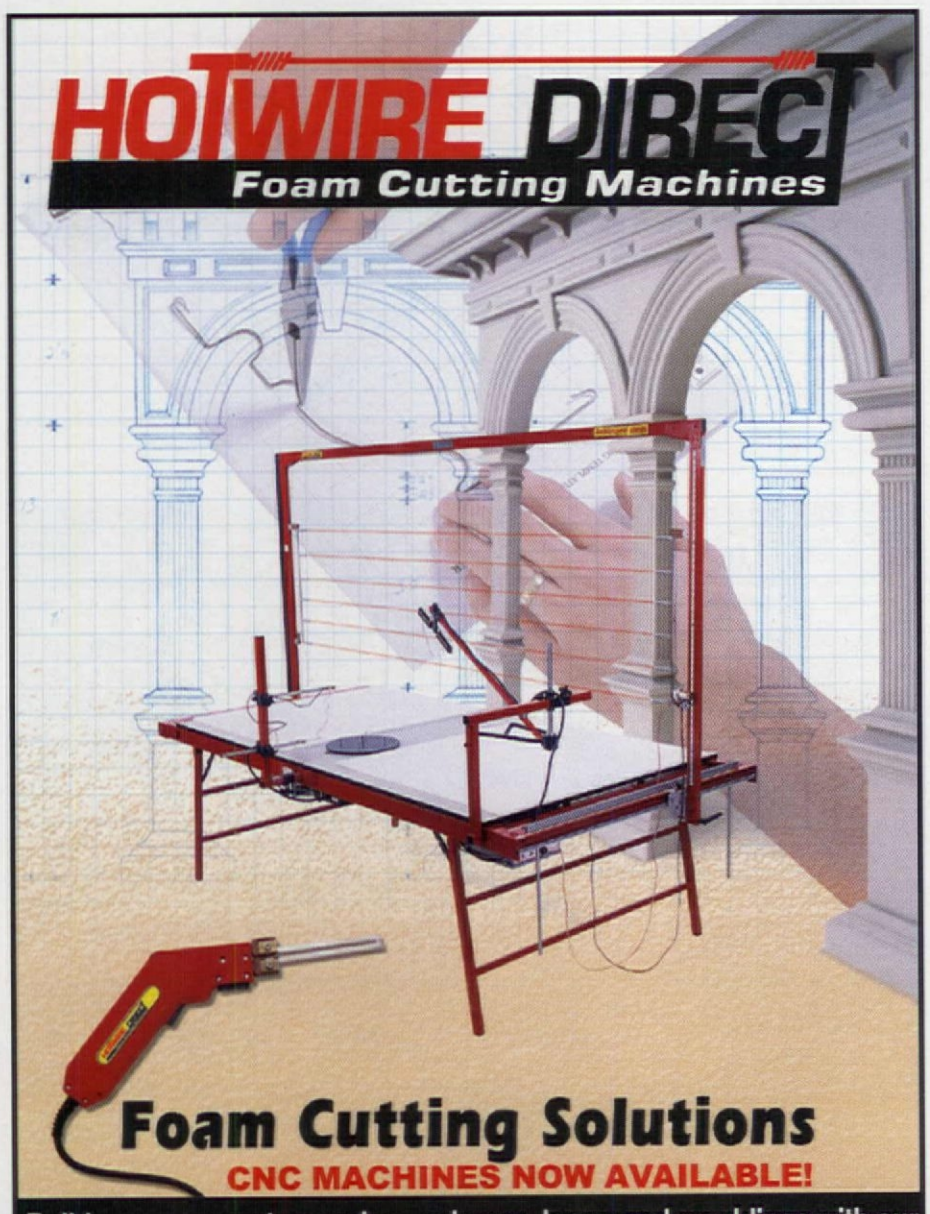

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The Editors

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SourceList 164-166
Portfolio..... 168-169

MASTERS OF MURALS AND MOSAICS

We've all been taught that things which are strictly on the surface don't matter very much. But if that surface is a wall, ceiling, or floor, and those things are murals and/or mosaics, then they happen to matter a great deal: People invest those surfaces with precious images of their hopes, ideals, and values. The most obvious examples are of course the ecclesiastical applications, but even secular murals and mosaics can bespeak deep feelings — and inspire such feelings in all who gaze upon them. With the renewal of enthusiasm for these artistic expressions, the field of talented artists who can bring depth to a two-dimensional surface has grown dramatically. Our *SourceList*, beginning on page 164, gathers together several dozen masters of these arts, and offers the kind of detailed breakdown you need to make an intelligent choice for your project. We've noted which muralists specialize in frescoes or exterior murals or trompe l'oeil work — or even mosaic murals. We've included a breakdown of mosaicists in terms of materials (stone, glass, ceramic, and more) and artistic style (pictorial, geometric). This *SourceList* also provides information on people who will restore or conserve murals and mosaics, as well as those artists who will travel nationally or internationally. All you have to do is to decide what image you want on which surface.

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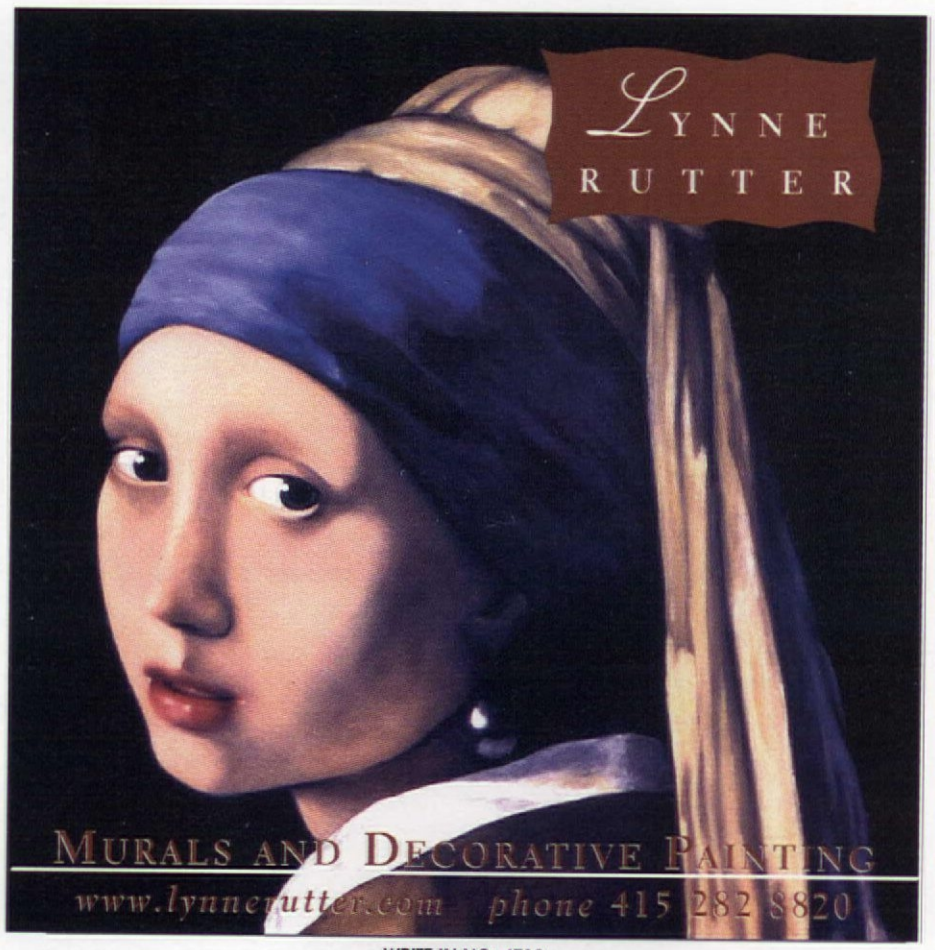

WRITE IN NO. 4710

TRADITIONAL BUILDING'S MURALS & MOSAICS *SourceList*

CSI# 12110

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COMPANY	SPECIALTY	Literature	MURALS						MOSAIC MATERIALS						MOSAIC PATTERNS						Travel (National/ International)
			Wall/Ceiling Murals	Frescoes	Trompe L'Oeil	Exterior Murals	Other	Restoration/ Conservation	Hardwoods	Glass Tesserae	Semi-Precious Stone Tesserae	Stone Tesserae	Ceramic Tesserae	Other	Wall Mosaics	Floor Mosaics	Pictorial Mosaics	Geometric Mosaics	Other	Restoration/ Conservation	
Anima Ceramic Design #011-42-415-33454; Fax: 508-437-0706 www.animatile.com Laredo, TX 78040	Specialist in unique custom murals combining high-fire ceramics with Italian-glass mosaics. Also available: Mexican-glass mosaics and American recycled glass. Will ship worldwide.	Free	✔			✔				✔					✔	✔	✔				N, I
Architectural Features/Charles Madden 215-646-1599; Fax: 215-643-7272 21 Conwell Drive Maple Glen, PA 19002	National and international art creations for government, institutions; public art & liturgical projects: mosaics, art glass, bronze, marble, tapestry; full-dimension sculpture and mural projects; e-mail CHARLESLMADDEN@aol.com.	Free Write in No. 902					Mural mosaics			✔	✔	✔	✔	Stained glass	✔	✔	✔	✔	Historic, multi-cultural, ecclesiasti-cal, hotels & casinos	✔	N, I
Artique Glass Studio 201-444-3500; Fax: 201-444-7130 555 Broad St. Glen Rock, NJ 07452	Custom hand-crafted glass mosaics for floors, walls, ceilings, and furniture. Studio also creates custom stained, leaded, etched, and fused glass.	Free Write in No. 1086								✔					✔	✔	✔	✔	Illuminated mosaics		N
ASN Natural Stone, Inc. 800-82STONE www.asnstone.com San Francisco, CA 94103	Imports unique hard linestones; tumbled stone, non-slip, antiqued; honed marbles; mosaics in marble and glass; limestone; from France, Italy, Portugal, Spain. Granite, onyx, soapstone, marble mosaics.	Free Write in No. 2694									✔	✔			✔	✔		✔			I
Charles Scheel Studios 954-583-1728; Fax: 954-267-9788 4900 N. Dixie Hwy. Fort Lauderdale, FL 33334	Fine art and trompe l'oeil.	Free Write in No. 2693	✔		✔	✔															N
Conrad Schmitt Studios 800-969-3033; Fax: 262-786-9036 www.conradschmitt.com New Berlin, WI 53151	Since 1889, studio has created, conserved, and replicated murals and mosaics throughout the U.S., in both contemporary and traditional styles, for buildings of religious and historic significance.	Free Write in No. 8040	✔	✔	✔	✔		✔		✔					✔	✔	✔	✔		✔	N, I
Designs in Tile 530-926-2629; Fax: 530-926-6467 www.designsintile.com Mount Shasta, CA 96067	Custom historic-styled tiles and murals, hand-painted or mosaic. Borders or pictoral Arts & Crafts murals a specialty. Also, 3x6 subway tile and trim; square-edge mosaics for floors.	Free Write in No. 250	✔			✔	Ceramic, glass, hand-painted ceramic	✔		✔			✔		✔	✔	✔	✔	Signage	✔	N, I
Elizabeth Thompson 212-879-8839; Fax: 212-288-6544 851 Lexington Ave. New York, NY 10021	Mural specialist who has worked worldwide, creating site-specific paintings for individuals and corporations.	Free Write in No. 3165	✔		✔	✔															N, I
Equipment of Culture 413-534-3555; Fax: By request www.eofc.com Holyoke, MA 01040	Hand-painted ceramic-tile murals, including custom and historic tile pictures of the type painted in Holland for the palaces of Europe. Custom-designed mosaics, figurative, naturalistic, geometric: easel, surface, and floor pieces.	Free Write in No. 1312	✔			✔	Historic & custom ceramic-tile murals	✔		✔	✔	✔	✔		✔	✔	✔	✔	Monument, easel, ceiling	✔	N, I
Erwin Art, LLC 713-247-0073; Fax: 713-237-8214 www.russellerwin.com Houston, TX 77023	Studio offers full range of fine and decorative art.	Free Write in No. 2651	✔			✔															N
EverGreene Painting Studios 212-244-2800; Fax: 212-244-6204 www.evergreene.com New York, NY 10001	Studio with extensive experience in paint restoration, and design and execution of trompe l'oeil, fine art, exterior murals. Paint research, analysis, documentation; scagliola, sgraffito, ornamental plasterwork. Conservation.	Free Write in No. 2460	✔	✔	✔	✔		✔	✔	✔		✔	✔		✔		✔	✔		✔	N
Fishman Mosaics 305-758-1141; Fax: Same as phone www.georgefishmanmosaics.com Miami Shores, FL 33138	Specialist in pictorial mosaic imagery; traditional or contemporary styles. Artist uses hand-cut stone, glass smalti, and vitreous glass to create custom mosaics.	Free Write in No. 183								✔	✔	✔	✔		✔	✔	✔				N, I
Gallery McMahon 847-615-1787; Fax: 847-295-2318 www.gallerymcmahon.com Lake Forest, IL 60045	Ceramic-tile murals created from on-location drawings.	Free					Ceramic-tile murals														N, I
Grand Illusion 973-770-0206; Fax: 973-627-3909 6 Altenbrand Ave. Mount Arlington, NJ 07856	Design and execution of murals, trompe l'oeil, frescos, exterior murals, geometric & pictorals, floors & walls, painted on site or on canvas. Also, decorative painting and project consultation. Worldwide travel.	Free Write in No. 4770	✔		✔			✔													N, I
Guided Imagery 650-324-0323; Fax: 650-324-9962 2995 Woodside Rd., #400 Woodside, CA 94062	Studio has produced award-winning trompe l'oeil murals since 1978. Specialist in site-specific designs for hospitality and retail in the San Francisco Bay Area. Also, limited-edition mural collections. Winner of Kodak Innovator Award.	Free Write in No. 2527	✔		✔	✔															N
Hetland Ltd. 701-293-3066; Fax: 701-293-0780 www.hetland.com Fargo, ND 58103	Specialist in the design and fabrication of custom Italian glass mosaics, painted murals and furnishings for churches and other architectural spaces since 1979.	Free	✔							✔		✔	✔		✔	✔	✔		Liturgical mosaics	✔	N
International Fine Art Conservation Studios 404-794-6142; Fax: 404-794-6229 www.ifacs-inc.com Atlanta, GA 30366	Research, historic and scientific analysis, documentation of original finishes, and conservation of murals and easel paintings. Decorative painting, faux finishes, ornamental plaster, murals, paintings, and Art Deco interiors.	Free Write in No. 9510	✔	✔	✔			✔													N, I
John Canning Painting & Conservation Studios 203-272-9868; Fax: 203-272-9879 www.canning-studios.com Southington, CT 06489	Studio specializes in conservation and restoration of painted and gilded ornamentation. The design and execution of murals and decoration is suitable to period interiors. Extensive experience and knowledge of church decoration.	Free Write in No. 5100	✔	✔	✔	✔		✔													N, I
John Littleboy 415-822-8182; Fax: Same as phone www.jlittleboy.com San Francisco, CA 94188	Since 1983, artist has created murals worldwide; on- or off-site for private clients, commercial spaces. Trompe l'oeil, Pompeiian, decorative styles.	Free	✔		✔	✔															N, I
Kelly S. King Institute of Decorative Finishes 402-896-9670; Fax: 402-896-1294 www.in-faux.com Omaha, NE 68137	Decorative-painting and faux-finishing studios; work includes theaters, commercial work. Also teaches faux and decorative painting, and offers a full line of faux-finish products.	Free Write in No. 2536	✔		✔	✔															N

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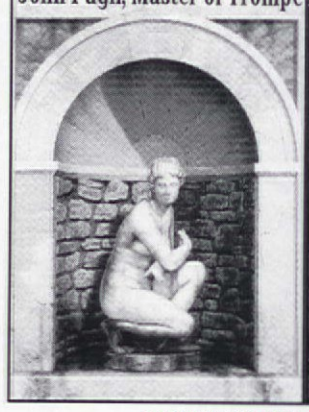

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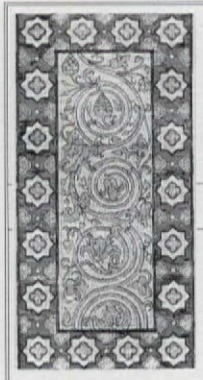

TRADITIONAL BUILDING'S MURALS & MOSAICS *SourceList*

CSI# 12110

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COMPANY	SPECIALTY	Literature	MURALS						MOSAIC MATERIALS						MOSAIC PATTERNS						Travel (National/ International)
			Wall/Ceiling Murals	Frescoes	Trompe L'Oeil	Exterior Murals	Other	Restoration/ Conservation	Hardwoods	Glass Tesserae	Semi-Precious Stone Tesserae	Stone Tesserae	Ceramic Tesserae	Other	Wall Mosaics	Floor Mosaics	Pictorial Mosaics	Geometric Mosaics	Other	Restoration/ Conservation	
LepoWorks, Inc. 419-339-5370; Fax: www.lepoworks.com Lima, OH 45807	Designs private, public, and institutional artwork; interior and exterior works in a multitude of materials, including metal and wood; wood-carving services.	Free Write in No. 1034	✔	✔	✔	✔	Relief murals														N
MFA / Peter Ladochy 805-995-3579; Fax: Same as phone 17 Ocean Front Ave. Cayucos, CA 93430	Unique mosaic murals, reliefs, and sculptures-in-the-round; plus architectural details to co-ordinate thematic elements. Italian glass mosaic, stone and ceramic tile, hardwoods. Public spaces, liturgical, & commercial applications.	Free					Mosaic murals		✔	✔		✔	✔	Cast, colored cements	✔	✔	✔	✔	Wall reliefs & sculpture-in-the-round	✔	N, I
Modeworks, Inc. 212-226-4079; Fax: 212-226-9258 www.modeworks.com New York, NY 10013	Since 1979 firm has provided hand-painted murals and decorative painting, from design to execution. Cutting-edge digital and digital/hand-painted hybrid artwork, full-service 3D shop, fixtures, sculpture, and displays.	Free	✔	✔	✔	✔	Digital	✔													N, I
Mosaic Studio of Tim Snell 212-965-9670; Fax: 212-410-3391 443 Greenwich St., Ste. 4E New York, NY 10013	Full design, fabrication, and installation services: glass, stone, and ceramic mosaics; murals in oil and acrylic as well as Venetian stucco.	Free Write in No. 1311	✔		✔	✔		✔		✔		✔	✔		✔	✔	✔	✔	Furniture, screens	✔	N, I
New Millennium, Inc. 231-271-3263; Fax: 231-271-4236 www.nmrestoration.com Suttons Bay, MI 49682	Specializes in investigation, documentation, and consultation of original decorative schemes; decorative restoration; faux techniques; decorative plaster repair and replication; mural and fine-arts conservation.	Free Write in No. 2662	✔	✔	✔			✔													N
Osborn, Thomas D., Mosaic Hardwood Floors 413-532-9034; Fax: 413-532-0241 1421 Northampton St. Holyoke, MA 01040	Specializes in the custom design, fabrication, and installation of marquetry and inlaid floors, using native and exotic hardwoods. All work is done exclusively in 3/4-in. hardwood.	Free Write in No. 4790							✔							✔	✔	✔			N, I
Peck Studios 202-331-1966; Fax: Same as phone www.peckstudios.com Washington, DC 20010	Studio creates and installs large-scale interior and exterior public murals and architectural trompe l'oeil paintings. Also, mosaics, faux finishes, keim mineral systems, gilding.	Free Write in No. 208	✔		✔	✔									✔			✔			N, I
Pugh Painting Studio 408-353-3370; Fax: 408-353-1223 www.illusion-art.com Los Gatos, CA 95031	Specialist in site-specific, trompe l'oeil, painted or tile murals. Twenty years' experience working with architects, designers, and private clients to create murals for public, corporate, and private sites.	Free Write in No. 251	✔		✔	✔	Tile murals														N, I
Rieger Art & Design 631-323-2579; Fax: Same as phone www.i-rieger.com Orient, NY 11957	Large-scale architectural mosaics using Venetian tesserae & handmade glass for color effects & various stones for texture. Also, murals; sculpture in a range of media; original & contemporary stained- & dalle-de-verre-glass windows.	Free	✔			✔				✔		✔			✔		✔				N, I
Ritins Studio, Inc. 416-467-8920; Fax: 416-467-8963 www.ritins.com Toronto, ON, CANADA M4G 2B6	Studio provides murals and other decorative/faux finishes for commercial and residential projects in U.S.A. and Canada. Also, complete line of water-based decorative-painting products & accessories; marble and plaster restoration.	Free Write in No. 4630	✔	✔	✔		Faux stone friezes														N, I
Rutter Murals & Decorative Painting 415-282-8820; Fax: 415-282-8275 www.lynnerutter.com San Francisco, CA 94107	Design and production of fine-art murals; trompe l'oeil; intricate stenciling, decorative & faux finishes, using a variety of media and techniques. Specialist in the design, restoration, and re-creation of historic painted ornament.	Free Write in No. 4710	✔		✔	✔		✔													N, I
Siena Marble & Mosaic 941-435-7875; Fax: 941-435-9942 www.sienamarble.com Naples, FL 34104	Firm offers a line of mosaic borders, medallions, insets, table tops, and more, all manufactured in their own plant in the USA.	Free										✔			✔	✔	✔	✔	Table tops, fireplace	✔	N, I
Society of American Mosaic Artists P.O. Box 428 Orangeburg, SC 29116	The Society has a membership of 175 mosaic artists throughout the U.S. They publish a quarterly newsletter and are organizing the first exhibition of mosaic art in the U.S.	Write for information																	Newsletter & exhibits		
Terra Designs Tileworks 973-328-1135; Fax: 973-328-3624 P.O. Box 913 Dover, NJ 07802	Firm designs, replicates, and/or fabricates ceramic specialty projects such as custom tile, mosaic work, or murals in terra cotta, stoneware, or porcelain.	Free Write in No. 2790					Mosaic murals			✔		✔	✔		✔	✔	✔	✔	Signage		N
Tile Studio of Shelby Kennedy 707-894-0520; Fax: Same as phone 659 S. Cloverdale Blvd. Cloverdale, CA 95425	Design & fabrication of mosaics in natural stones. Design & fabrication of ceramic tile, architectural elements, and murals. Mosaics and ceramics for homes & gardens. Commercial mosaic signage. Installation services available.	Free										✔		Pebbles	✔	✔	✔	✔	Signage	✔	N, I
Tile Source, Inc. 770-993-6602; Fax: 770-993-0124 203 Mill Pond Road Roswell, GA 30076	Victorian-style decorative tiles, including true encaustic tiles & less-costly silk-screened simulations; mural & scenic tiles; kitchen tiles; London's famous "Blue Plaques," 20-in. diameter, in frostproof Staffordshire porcelain.	Free Write in No. 2846					Mosaic murals						✔					✔		✔	N
Vigini Studios, Inc. 210-212-6177; Fax: 210-212-6183 www.viginistudios.com San Antonio, TX 78215	Specialist in the classical techniques of mural painting and trompe l'oeil. Internationally recognized school offering faux-finishing workshops worldwide. Comprehensive line of water-based paint products and artists' materials.	Free Write in No. 2672	✔	✔	✔		Architectural trompe l'oeil	✔													N, I

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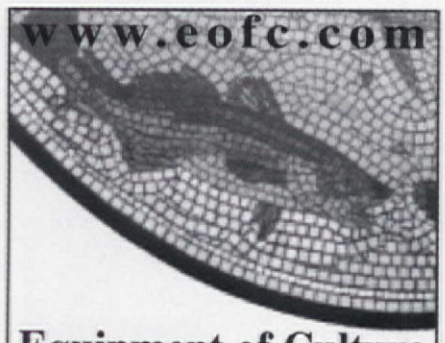

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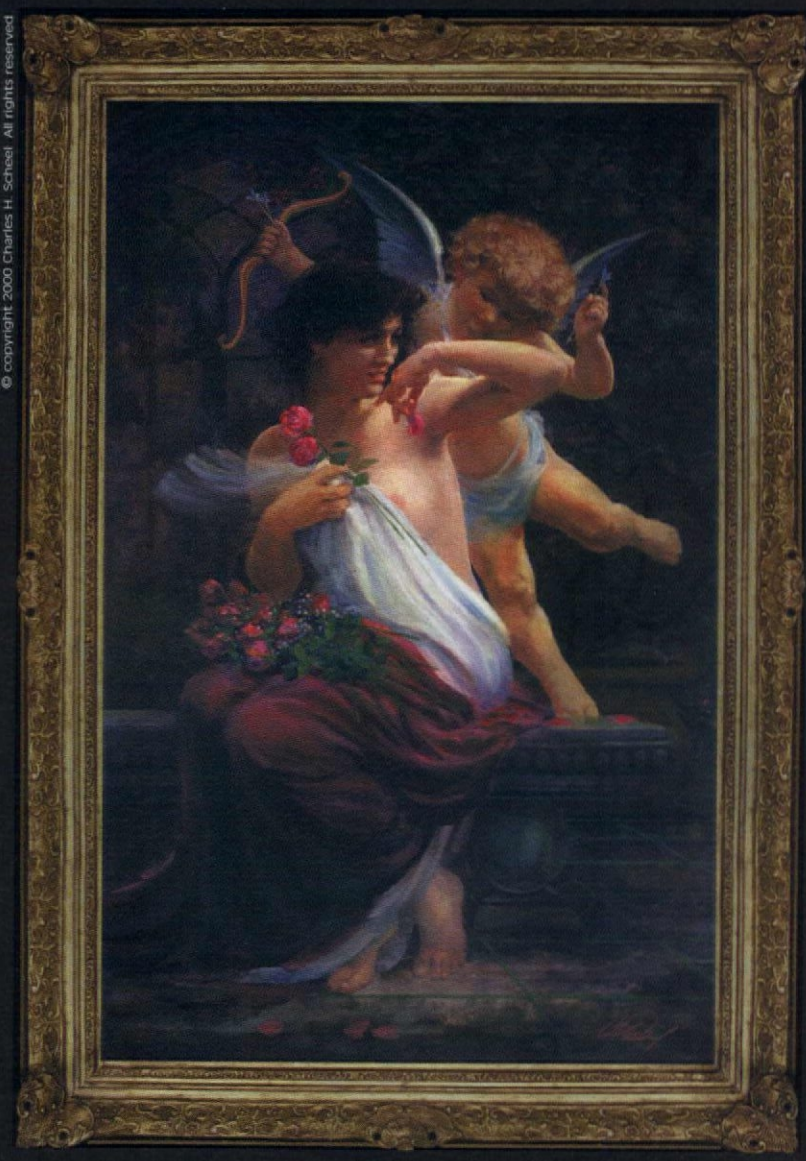

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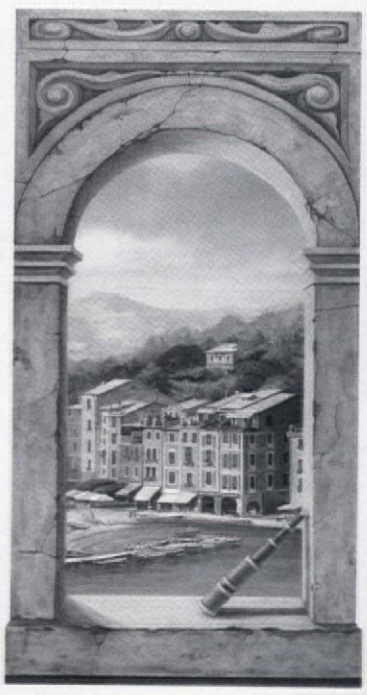

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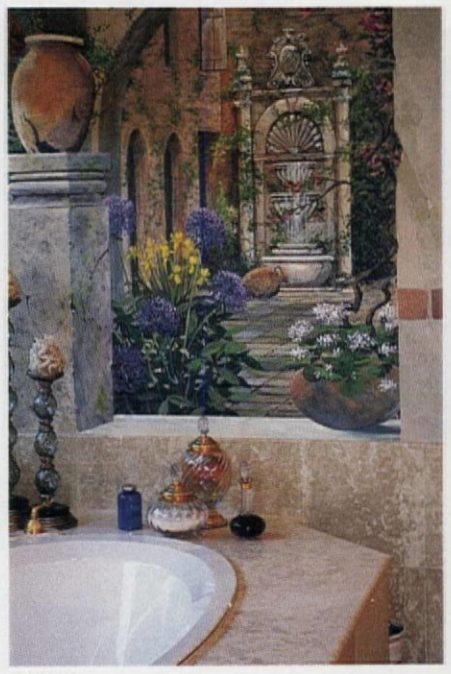
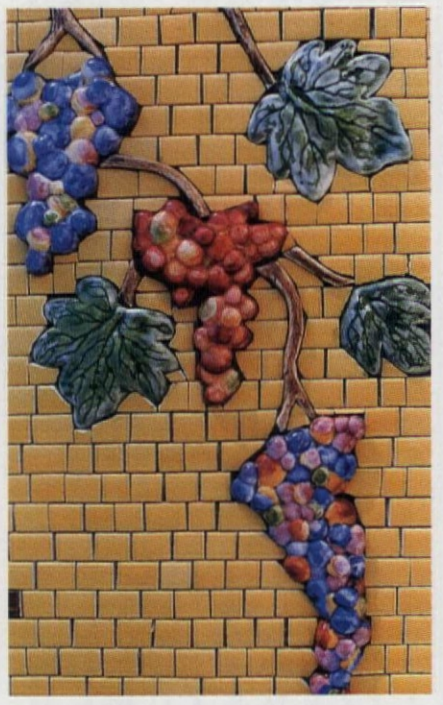
MURALS & MOSAICS PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 164-166.

Artisans of the JOHN CANNING STUDIOS designed and executed this 25x20-ft. Art Deco mural for the Connecticut Show House. *Write in No. 5100*



This bathroom in Boca Raton, Fla., now looks out onto a European courtyard, thanks to the trompe l'oeil artistry of CHARLES SCHEEL. *Write in No. 2693*



This detail of a colorful mosaic sign, created for a restaurant by TERRA DESIGNS TILEWORKS, portrays a highly stylized grapevine. *Write in No. 2790*

This attractive, Greek-key-themed mosaic flooring is just one of the many types of historic ceramic tile offered by DESIGNS IN TILE. *Write in No. 250*

"Tropical Bouquet" from FISHMAN MOSAICS, made of glass smalti and gold, is one of a pair of 4x3-ft. panels for an exterior wall. *Write in No. 185*

This fiery detail conveys a sense of the dramatic impact of the Great Mosaic Wall created by Charles Madden of ARCHITECTURAL FEATURES for the Sanctuary of the Mount Carmel Monastery in Philadelphia. *Write in No. 902*

PUGH PAINTING STUDIO created "Silent Stream," an eye-catching trompe l'oeil mural, for the lobby of the Kaiser Hospital in Santa Clara, Calif. *Write in No. 251*

This 10-ft.-diameter trompe l'oeil ceiling mural was painted in oil on unstretched canvas by ERWIN ART. *(photo: Joel Draut) Write in No. 2651*

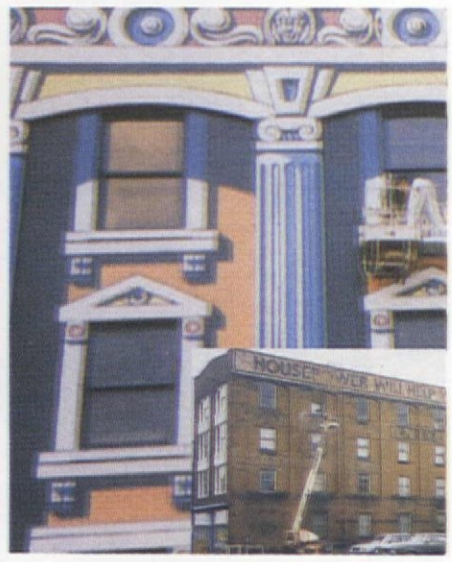
ELIZABETH THOMPSON created this dynamic mural, measuring approximately 24 ft. x 8 ft., for the Marriot Hotel in Stamford, Conn. *Write in No. 5165*

MURALS & MOSAICS PORTFOLIO

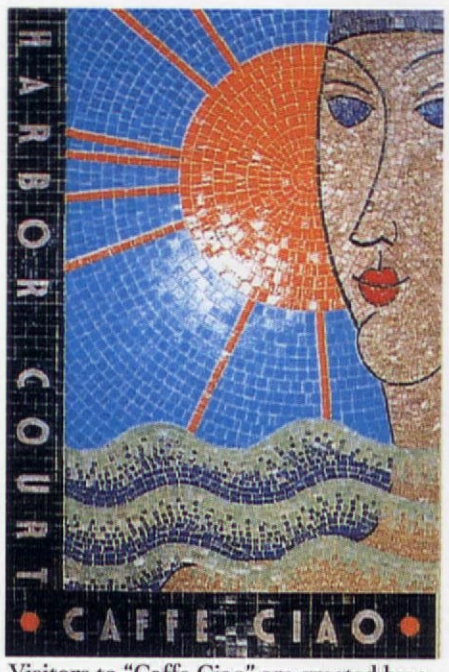
For full contact information on these companies, consult the SourceList on pp. 164-166.

G. BYRON PECK STUDIOS produced this imaginative, richly textured, 6-ft.-x-10-ft. mural for American Cafe. *(photo: Greg Staley) Write in No. 208*

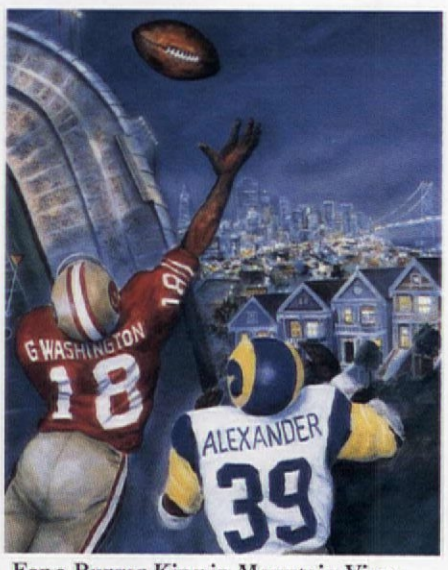
JOHN LITTLEBOY, muralist, painted this Pompeian-style triptych with acrylics on plaster. The total measurement of the three pieces is 60 in. wide x 48 in. high.



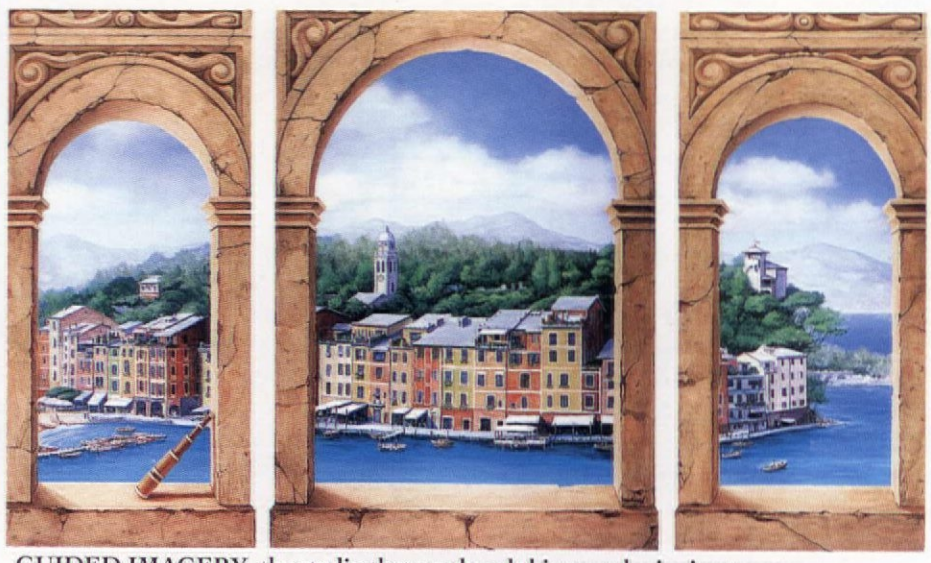
This old building (top) has gone from eyesore to eye-catching (inset), thanks to the trompe l'oeil expertise of the artisans at LEPOWORKS. *Write in No. 1034*



Visitors to "Caffe Ciao" are greeted by a custom mosaic panel in glass smalti by ANIMA CERAMIC TILE.

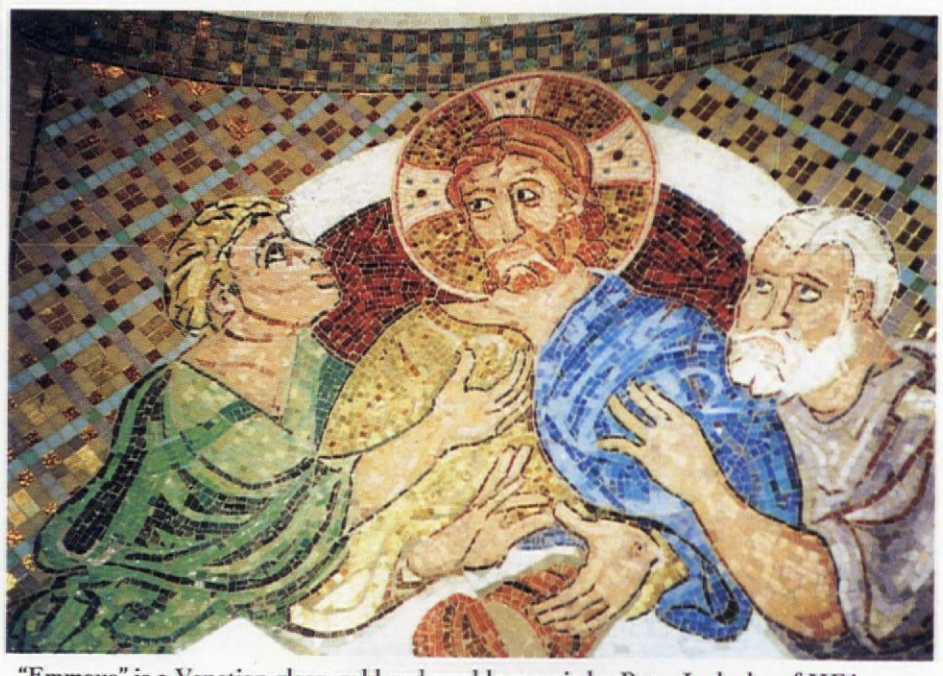


For a Burger King in Mountain View, Calif., RUTTER MURALS & DECORATIVE PAINTING created a massive four-panel mural celebrating the San Francisco 49'ers. In this detail showing the team during the 1970s, Gene Washington reaches to make a catch. *Write in No. 4710*



GUIDED IMAGERY, the studio that produced this award-winning trompe l'oeil mural for the lobby of San Francisco's Tuscan Inn, has also recently been awarded First Prize in the Kodak Innovator Awards for its mural collection. *Write in No. 2527*

Only the chandelier is real in this photo — the columns, balustrades, and that spectacular tropical vista are all the trompe l'oeil handiwork of the artisans of GRAND ILLUSION. *Write in No. 4770*



"Emmaus" is a Venetian glass, gold and marble mosaic by Peter Ladochy of MFA MOSAICS AND FINE ART.

Custom mosaic hardwood flooring, such as the representation of a tree branch with leaves which has been laid into this floor, is the specialty of THOMAS D. OSBORN. *Write in No. 4790*

The appropriately titled "Joy" mosaic from EQUIPMENT OF CULTURE measures 32 in. x 48 in. *Write in No. 1312*

The delightful underwater-themed mosaicwork for this bathroom is the creation of THE MOSAIC STUDIO OF TIM SNELL. *Write in No. 1311*

SourceList 172-176
Portfolio. 176-178

GLASS ACTS

A commercial ceiling fabricated in art glass can be dramatic, memorable, and a complicated undertaking. Therefore, a good understanding of the fabrication process will allow for a seamless spec.

by Leslie Jay

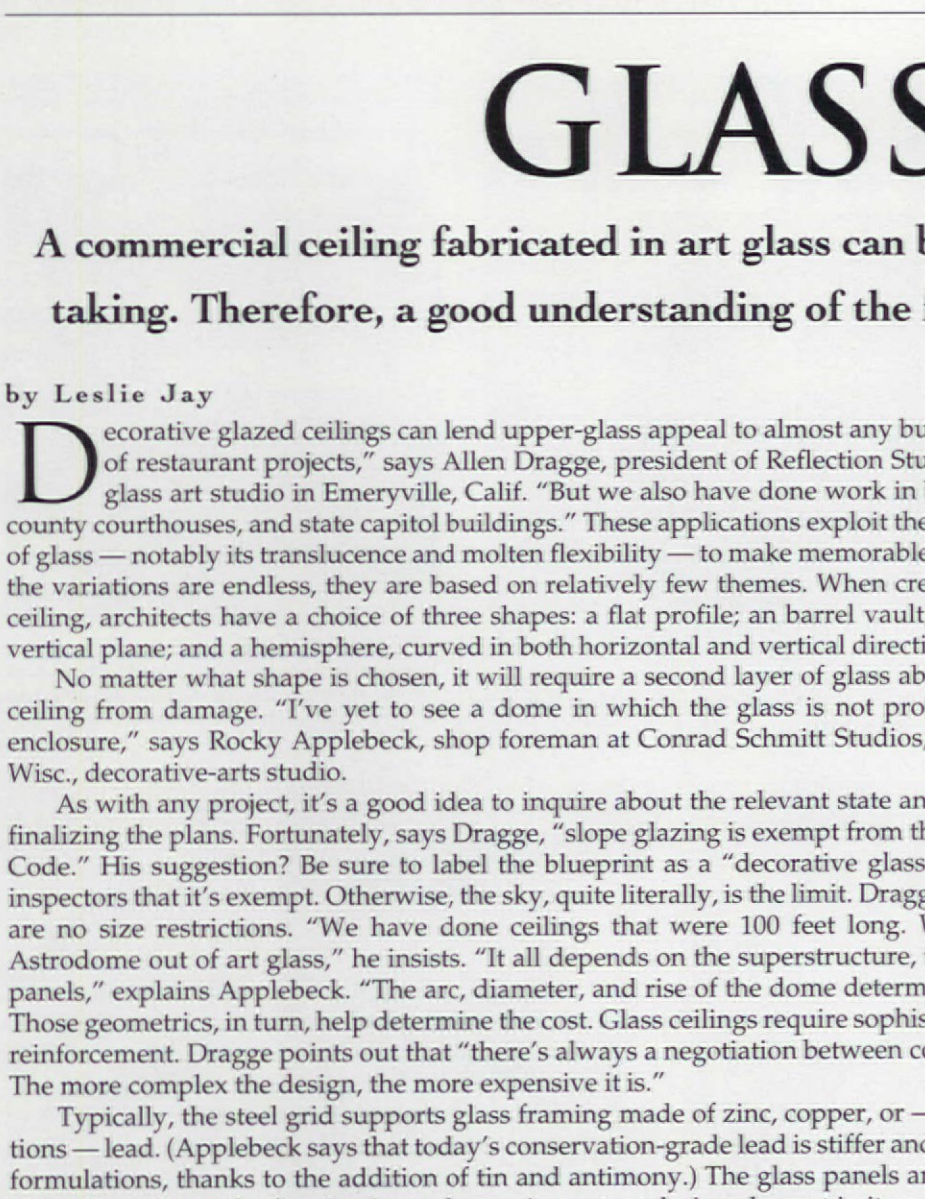
Decorative glazed ceilings can lend upper-glass appeal to almost any building. "We do a lot of restaurant projects," says Allen Dragge, president of Reflection Studios, Inc., a leaded-glass art studio in Emeryville, Calif. "But we also have done work in banks, hotels, clubs, county courthouses, and state capitol buildings." These applications exploit the physical properties of glass — notably its translucence and molten flexibility — to make memorable interiors. Although the variations are endless, they are based on relatively few themes. When creating a see-through ceiling, architects have a choice of three shapes: a flat profile; an barrel vault, curved only in the vertical plane; and a hemisphere, curved in both horizontal and vertical directions.

No matter what shape is chosen, it will require a second layer of glass above it, shielding the ceiling from damage. "I've yet to see a dome in which the glass is not protected with another enclosure," says Rocky Applebeck, shop foreman at Conrad Schmitt Studios, Inc., a New Berlin, Wisc., decorative-arts studio.

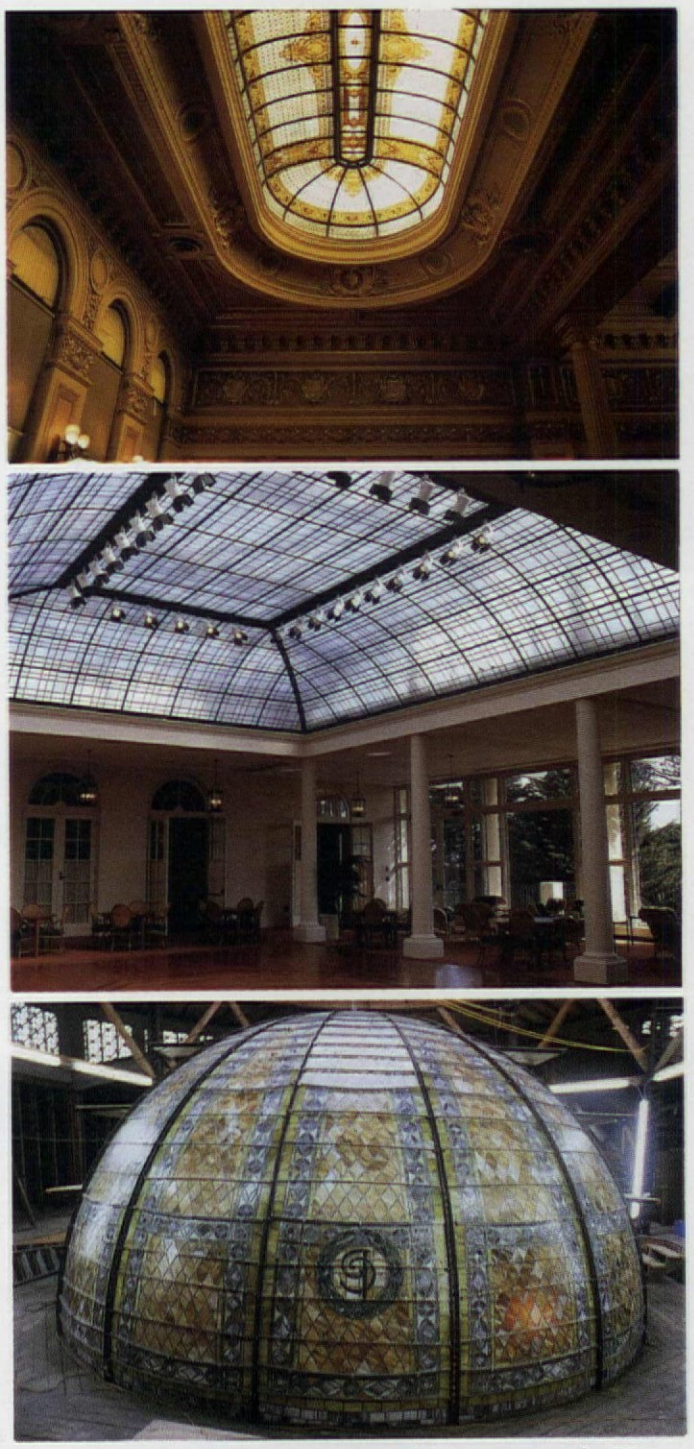
As with any project, it's a good idea to inquire about the relevant state and local codes before finalizing the plans. Fortunately, says Dragge, "slope glazing is exempt from the Uniform Building Code." His suggestion? Be sure to label the blueprint as a "decorative glass ceiling," to remind inspectors that it's exempt. Otherwise, the sky, quite literally, is the limit. Dragge believes that there are no size restrictions. "We have done ceilings that were 100 feet long. We could make the Astrodome out of art glass," he insists. "It all depends on the superstructure, the steel grid for the panels," explains Applebeck. "The arc, diameter, and rise of the dome determine the geometrics." Those geometrics, in turn, help determine the cost. Glass ceilings require sophisticated, unobtrusive reinforcement. Dragge points out that "there's always a negotiation between complexity and price. The more complex the design, the more expensive it is."

Typically, the steel grid supports glass framing made of zinc, copper, or — in smaller applications — lead. (Applebeck says that today's conservation-grade lead is stiffer and stronger than older formulations, thanks to the addition of tin and antimony.) The glass panels are then fastened into place. Sometimes, the framing is used as an important design element in its own right. For specific applications, other materials may come into play. Reflection Studios, for example, has devised an integral seismic-restraint system that uses cables to take the gravity load off both the steel frame and the glass. For all their apparent fragility, these ceilings are built to last. Dragge reports that examples erected with the seismic-restraint system survived an earthquake in Loma Prieto, Calif. Consequently, depending on the job, contractors' estimates may range from several hundred dollars to several thousand dollars per square foot. You can expect to be charged high-end fees for especially challenging shapes, like ellipses, oblongs, and parabolas. Want to commission a ceiling composed of numerous tiny panels? Remember that the effort involved in installing those panels will result in larger labor costs. So will replicating ornate, Turn-of-the-Century patterns that rely on repetition.

Next, consider the type of glazing itself. Predictably enough, mouth-blown materials can run four to twenty times the cost of machine-made; curved panels are more expensive to produce than flat ones. Eye-catching details, such as painting, etching, and pressed shapes, will also increase the bill. The color of the glass seldom contributes much to the final price tag, except for red, which is partially derived from gold ore. The other significant exception? Iridescent dichroic glass, a luxurious, high-tech product.



The Romanesque Union Station in Nashville, Tenn., has a barrel-vaulted ceiling of stained glass that illuminates the interior restored by Conrad Schmitt Studios. The train station opened in 1900, and its decorative glass ceiling remains intact today.



Three examples of dome types. Top: Oblong Dome at the Hibernia Bank, San Francisco. While most domes are circular, this one is unusual in its oblong shape with repeating pattern. Middle: Rectangular Dome at the Olympic Club, San Francisco. What is unique about this dome is that it uses clear glass and incorporates a lighting system into its steel frame. Above: Round Dome at the Washington Pacific County Courthouse, South Bend, Wash. The structure is more than half a sphere, which made it very difficult to remove and reinstall the panels. *(Photos: Reflection Studios, Inc.)*

Once you've established the dimensions and motif of the ceiling, pay equal attention to the far-less glamorous structure that goes above it. The design of the outer glass can make, or break, the entire project. "You'd be amazed at how often architects forget about the space above the ceiling," comments Dragge. "It's very important and frequently overlooked." Heat reduction is critical. Because the two layers of glass constitute a greenhouse, air temperatures inside this chamber can soar on sunny days, even in the dead of winter. Therefore, the first step is to minimize overall solar impact. Select the uppermost glazing for its ability to prevent glare and hot spots without diminishing the ceiling. Opt for tinted glass shields instead of clear; acid-etched or textured surfaces will further diffuse sunlight. At the same time, supply ventilation to let hot air escape. "You need to provide weeping, so heat doesn't build up," notes Applebeck.

Ironically, lack of illumination may be a second concern, particularly in a location that's open in the evening. Dragge recommends that light come from indirect sources. "Lamps should be out of view to someone who is looking up," he says. Out of sight does not imply out of reach; burned-out light bulbs will need to be replaced.

Finally, give thought to routine maintenance. Domes act as magnets for high-visibility dirt and dust. Filtration systems can reduce the accumulation. Nonetheless, the best ceiling designs include access for cleaning. ■

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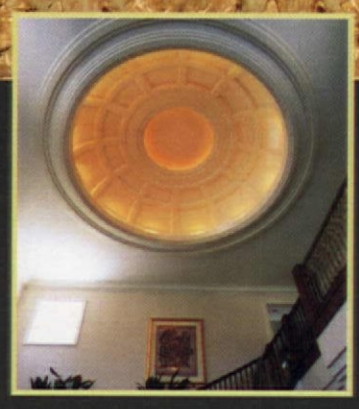

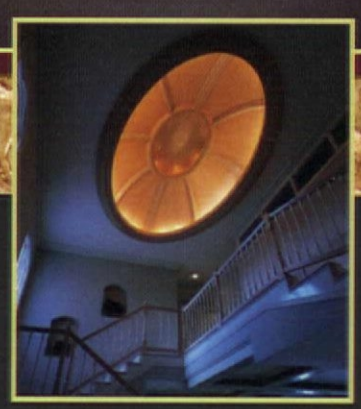

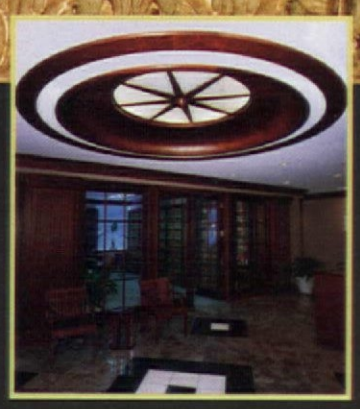

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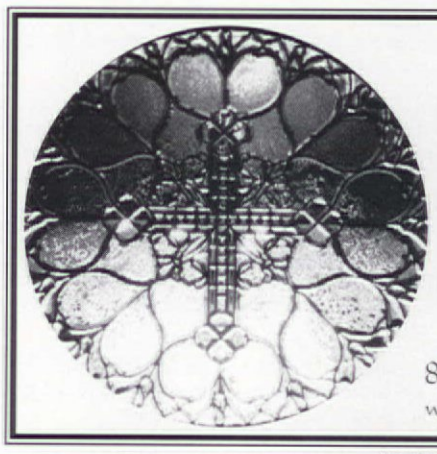

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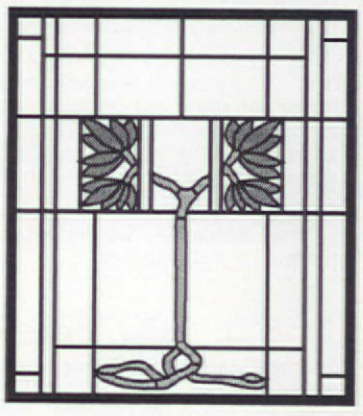

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COMPANY	SPECIALTY	Literature	TYPES OF ART GLASS											PROJECTS			
			Leaded & Colored	Leaded & Painted	Beveled	Etched/Sandblasted	Carved/Cut	Fused/Slumped	New Custom Designs	Replication of Historic Patterns	Antique Stained Glass	Protective & Storm Glazing	Other	Commercial	Institutional/ Religious	Repair/Restoration	Conservation
Franklin Art Glass Studios, Inc. **614-221-2972; Fax: 614-221-5223** **www.franklinartglass.com** **Columbus, OH 43206**	Company has been producing custom leaded and beveled glass for residential, commercial, civic, and religious buildings since 1924.	Free	✔	✔	✔	✔			✔	✔	✔	✔		✔	✔	✔	✔
Glass Art & Architecture **808-968-8813; No Fax** **P.O. Box 1249** **Mountain View, HI 96771**	Glass environments created in block, brick, tile, drawer and cabinet pulls, door knobs, finials, and lighting, as well as sculptural and functional blown or cast glass. Custom colors added to 100% recycled glass.	Free							✔				Blown and/or cast glass	✔	✔		
Glass Illuminations, Inc. **818-556-6777; Fax: 818-556-6778** **www.glassilluminations.com** **Sun Valley, CA 91352**	Specialist in lighting etched glass, art panels, and signs. Cove lighting, back lighting, light-wash and light-grazing techniques, all utilizing fiber-optic lighting systems.	Free Write in No. 2813				✔		✔	✔				Partial & full framed, center-lit glass-top tables	✔	✔		
Golden Age Glassworks **570-491-5391; Fax: Same as phone** **www.geocities.com/glassart.geo/** **Matamoras, PA 18336**	Produces leaded- and stained-glass windows, lampshades, and architectural pieces in many styles. Restoration experience. Work with designers and individual clients.	Free	✔	✔	✔	✔	✔	✔	✔	✔	✔			✔	✔	✔	✔
Gong Glass Works **716-288-5520; Fax: 716-288-2503** **42 Parkview Dr.** **Rochester, NY 14625**	Founded in 1979, studio specializes in original soft abstract, contemporary, and transitional designs. All art is designed and fabricated by Nancy Gong.	Free	✔	✔	✔	✔	✔		✔	✔			Handmade chipped glass, "UltraGlas"	✔	✔		
Gordon Huether & Partners **707-255-5954; Fax: 707-255-5991** **www.gordonhuether.com** **Napa, CA 94559**	Specialist in the custom design and fabrication of architectural art glass and sculpture.	Free	✔	✔	✔	✔	✔	✔	✔		✔		Thermally insulated art-glass panels	✔	✔		
J. Piercey Studios, Inc. **800-368-9226; Fax: 407-841-6444** **www.jpiercey.com** **Orlando, FL 32805**	Designs, executes, and installs architecturally sensitive stained glass and mosaics for liturgical environments as well as corporate, educational, and medical facilities.	Free	✔	✔	✔			✔	✔		✔		Faceted and mosaic	✔	✔	✔	
Judson Studios **800-445-8376; Fax: 323-255-8529** **www.judsonstudios.com** **Los Angeles, CA 90042**	Since 1897, this studio has designed, fabricated, and installed stained glass. Also, repair and restoration.	Free Write in No. 2668	✔	✔		✔			✔		✔	✔	Faceted, aggregate glass	✔	✔	✔	✔
Kazanjian Architectural Stained Glass **310-374-7798; Fax: Same as phone** **423 Pier Ave.** **Hermosa Beach, CA 90254**	Art glass in contemporary, Craftsman, and Art Deco styles; also, original custom designs.	Free	✔		✔				✔					✔	✔		
Lamb Studios, J&R **888-672-7267; Fax: 201-251-2919** **www.lambstudios.com** **Ridgewood, NJ 07451**	Studio founded in 1857 creates & restores Victorian leaded-glass windows; Lamb & Tiffany windows a specialty. Five artists, each specializing in different styles. The studio provides design through installation services, nationwide.	Free Write in No. 612		✔					✔		✔	✔		✔	✔	✔	✔
Larry Etzen Studio **816-523-3978; Fax: 816-523-5782** **P.O. Box 22341** **Kansas City, MO 64113**	A custom fabricator of large art-glass light fixtures with matching, backlit, art-glass dome ceilings.	Free Write in No. 1267							✔	✔			Stained-glass domes, leaded-glass architectural light fixtures		✔		
Leone McNeil / Lead & Light Works **707-937-5227; Fax: 707-937-5099** **www.mendocino.to/mcneil** **Mendocino, CA 95460**	Stained-glass commissions and gallery work includes religious, figurative, and non-figurative pieces. Painted, fused, sandblasted, etched, beveled, and slumped techniques available.	Free Write in No. 9480	✔	✔	✔	✔	✔	✔	✔				Stained-glass domes	✔	✔		
Morava Studios **708-383-9333; Fax: 708-383-9314** **www.moravastudios.com** **Oak Park, IL 60304**	Art-glass repair, restoration, and conservation; also, original work in new custom glass.	Free	✔	✔	✔	✔			✔	✔	✔			✔	✔	✔	✔
Powell Brothers & Sons Glass Art **888-484-5184; Fax: 801-262-4002** **www.powellbrosglassart.com** **Salt Lake City, UT 84107**	Award-winning full-service art-glass studio provides stained, leaded, beveled, cast, faceted, sculptured, acid-etched, blown, and bent glass art. Will create new designs; custom design work; complete restoration facilities.	Free	✔	✔	✔	✔		✔	✔	✔	✔		Sculptural glass, lampshades, hot glass (cast, blown)	✔	✔	✔	
Reflection Studios, Inc. **510-652-4884; Fax: 510-658-6138** **1418 62nd Street** **Emeryville, CA 94608**	For over 25 years, this studio has produced exceptional work in stained glass, both original pieces & museum-quality restoration. A licensed glazing contractor; many large commercial and government projects.	Free Write in No. 7930	✔	✔	✔	✔	✔		✔	✔		✔	Stained-glass domes	✔	✔	✔	✔
Reinarts Stained Glass Studios **800-533-4444; Fax: 507-452-4649** **www.reinarts.com** **Winona, MN 55987**	Studio offers new stained glass; stained-glass restoration; protective cover; new frames; consultation.	Free	✔	✔	✔	✔			✔	✔		✔	Faceted	✔	✔	✔	✔
Renaissance Ceiling Domes **800-642-0169; Fax: 423-539-2773** **www.renaissancedomes.com** **Knoxville, TN 37921**	Handcrafted ceiling domes, any size. Primed gypsum shells or fully-finished turnkey installation. Specialists in coffered interiors, hardwoods, custom shapes, pre-wired lighting systems. Stained glass oculus and more.	Free Write in No. 325	✔	✔	✔	✔	✔		✔	✔		✔	Stained-glass domes	✔	✔	✔	✔
Rohlf's Studio, Inc. **800-969-4106; Fax: 914-699-7091** **www.rohlfstudio.com** **Mount Vernon, NY 10550**	Creating and conserving America's stained and leaded glass for over 80 years. Specialist in traditional, ornamental, and contemporary designs; historic preservation, replication, epoxy consolidation, steel-casement retrofitting.	Free Write in No. 6240	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔		✔	✔	✔	✔
Salem Art Glass, Inc. **336-724-1423; Fax: 336-724-0409** **326 S. Main St.** **Winston Salem, NC 27101**	Artists and craftsmen with widely-varied backgrounds rooted in traditional religious design. Combines painting, plating, high-quality glass, and skilled glazing techniques.	Free Write in No. 2666	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	Single- or double-glazed aluminum frames	✔	✔	✔	✔
Sattler's Stained Glass Studio, Ltd. **902-688-1156; Fax: 902-688-1475** **www.sattlerglas.com** **Pleasantville, NS, CANADA B0R 1G0**	Stained-glass and glass-painting studio produces new contemporary windows and restores antique stained-glass windows (in churches and official buildings).	Free	✔	✔		✔	✔		✔	✔	✔	✔		✔	✔	✔	✔
St. George's Art Glass Studio **732-388-2266; Fax: 732-388-8336** **1659 Irving St.** **Rahway, NJ 07065**	Maker of fine leaded- and stained-glass windows and lamp shades.	Free	✔	✔	✔				✔	✔	✔	✔		✔	✔	✔	✔

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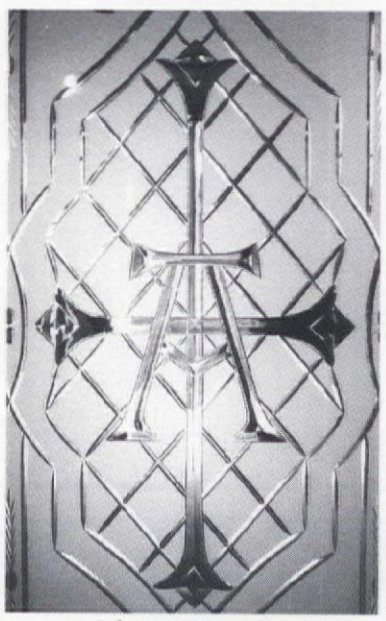
The door above is all hand-cut & hand-bevelled glass. The bath window (right) is in a home in Jackson, MS.

WRITE IN NO. 2510

Lehmann
GLASS STUDIO



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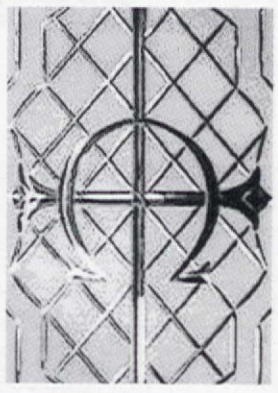

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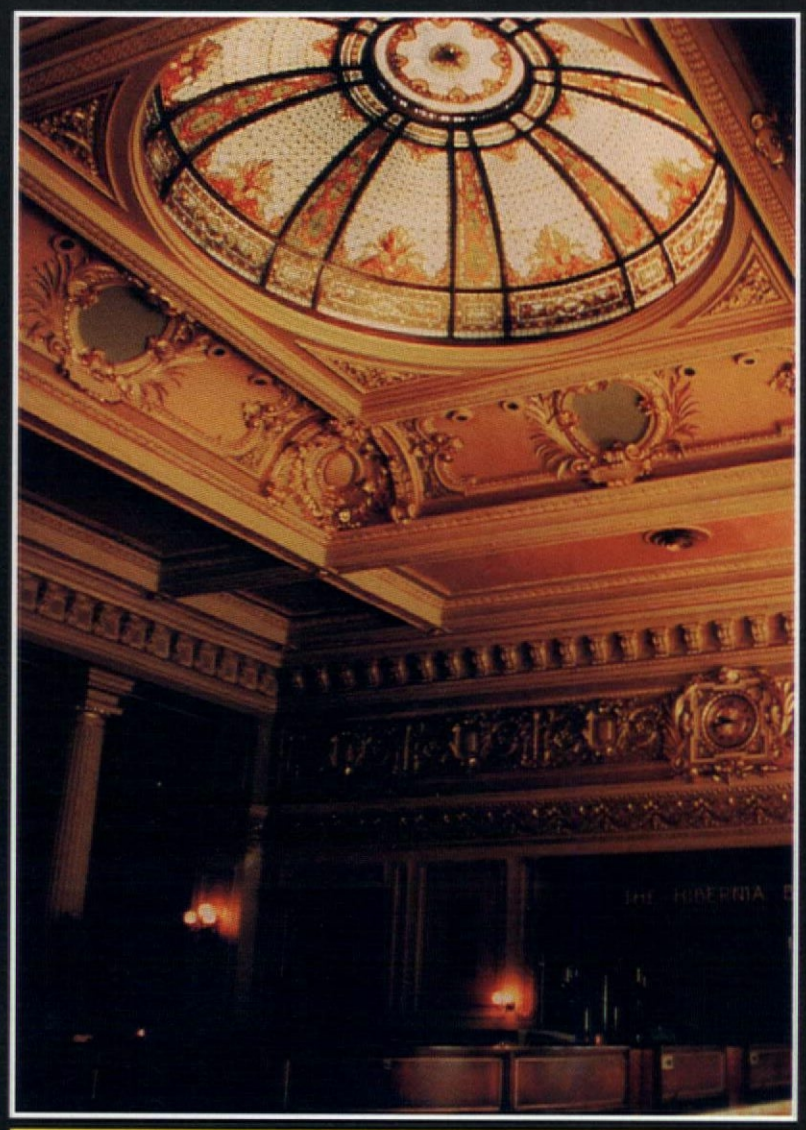

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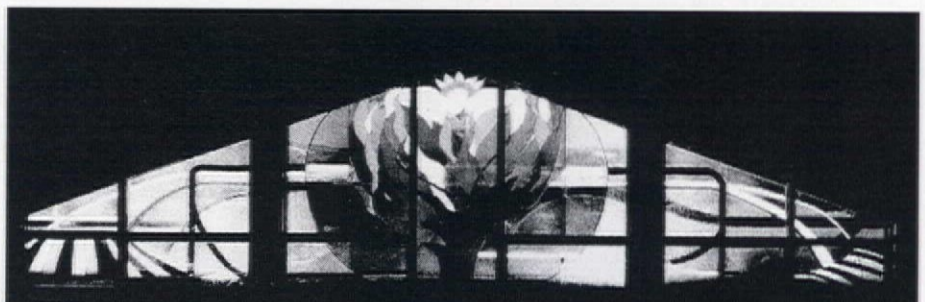

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WRITE IN NO. 1086

TRADITIONAL BUILDING'S COMMERCIAL ART GLASS *SourceList*

CSI# 12170

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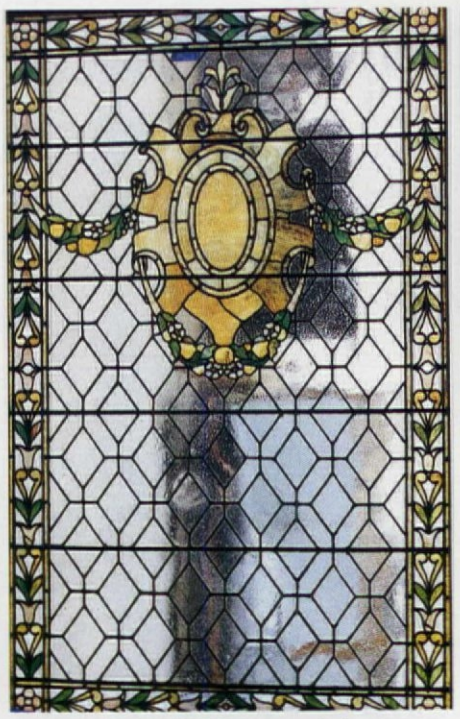
COMPANY	SPECIALTY	Literature	TYPES OF ART GLASS											PROJECTS			
			Leaded & Colored	Leaded & Painted	Beveled	Etched/Sandblasted	Carved/Cut	Fused/Slumped	New Custom Designs	Replication of Historic Patterns	Antique Stained Glass	Protective & Storm Glazing	Other	Commercial	Institutional/ Religious	Repair/Restoration	Conservation
Stained Glass Assn. of America 800-888-7422; Fax: 248-887-2165 4450 Fenton Rd. Hartland, MI 48353	Trade association for the stained-glass industry. Professional & educational support to promote the use of decorative art glass, through a 4-color magazine, reference/technical manual, & list of qualified practitioners & studios. Visit www.stainedglass.org.	Free															
Stanton Glass Studio 800-619-4882; Fax: 254-829-2521 www.stantonglass.com Waco, TX 76705	Designers and fabricators of fine custom glass. Full-service stained-glass studio. Specialize in leaded, beveled, etched, and hand-painted glass. Commercial, churches, and residential. Stained-glass restoration and conservation.	Free Write in No. 2667	✔	✔	✔	✔			✔	✔				✔	✔	✔	✔
State Of The Art, Inc. 888-539-0415; Fax: 865-539-0416 8705 Unicorn Dr., Ste. B-310 Knoxville, TN 37923	Full-service studio accredited by the Stained Glass Association of America	Free	✔	✔	✔	✔	✔	✔	✔	✔		✔	Dalle de verre	✔	✔	✔	✔
UltraGlas, Inc. 800-777-2332; Fax: 818-772-8231 www.ultraglas.com Chatsworth, CA 91311	Full-service glass studio from concept to installation. Heat-molded architectural art glass with relief design & textures in the glass. Custom designs a specialty. Commercial, residential, hospitality, & health-care applications.	Free Write in No. 2683						✔						✔	✔		
Verite Stained Glass Inc. 440-934-4015; No Fax P.O. Box 149 Avon, OH 44011	Specialist in art glass (bevel, fusing, painted, lead copper, foil). Also teaches industrial courses.	Free Write in No. 2671	✔	✔	✔	✔	✔	✔	✔		✔			✔			
Wallach Glass Studio, Inc. 707-527-1205; Fax: 707-573-1493 www.wallachglass.com Santa Rosa, CA 95407	High-end stained glass and deep bas-relief carved crystal; studio does large installations: churches, casinos, hospitals, and commercial buildings.	Free				✔	✔							✔	✔		
Williams Stained Glass 412-344-0220; Fax: 412-334-0219 www.williamsstainedglass.com Castle Shannon, PA 15234	Specializes in design & fabrication of custom leaded & stained glass. Beveled glass, etched glass, repairs, restoration, and bent-glass panels. Also, complete entry systems, doors, sidelites, transoms, Tiffany lamp shades, mirrors.	Free	✔	✔	✔	✔		✔	✔			✔	Entry doors	✔	✔	✔	✔
Wilson Design 607-334-3015; Fax: 607-334-7065 www.davidwilsondesign.com S. New Berlin, NY 13843	Specializes in a collaborative design process to produce site-specific architectural glass art for public, corporate, private, and religious buildings.	Free	✔	✔	✔	✔			✔					✔	✔		
Wright's Stained Glass 304-263-2502; No Fax www.wsggallery.com Martinsburg, WV 25401	Custom design and fabricate stained glass for commercial and residential applications, with special emphasis on site-specific work. Also fabricates light boxes, and furniture that incorporates art glass.	Free	✔	✔	✔			✔	✔	✔				✔	✔		
Zsiba-Smolover, Ltd. 860-354-5221; Fax: 860-354-9294 90 Danbury Road New Milford, CT 06776	Glass murals created by incorporating various techniques: kiln-formed glass, carved glass, mosaic, cut crystal, and painted finishes.	Free	✔	✔	✔	✔	✔	✔	✔				Doors, windows, skylights	✔	✔		

ART GLASS PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 172-176.

JUDSON STUDIOS fabricated this lion-rich stained-glass window for Our Savior Episcopal Church. *Write in No. 2668*

Using a 1915 Henry Lang machine, CAIN, INC., built this eye-catching etched- and leaded-glass tree window. *Write in No. 2856*



ROHLF'S STUDIO restored the stained-glass windows of the Banco Di Napoli in New York City. *Write in No. 6240*

LAMB STUDIOS created the "Window of Faiths" for the Anthony Romano Esq. Memorial Chapel at Nyack Hospital in Nyack, N.Y. *Write in No. 612*

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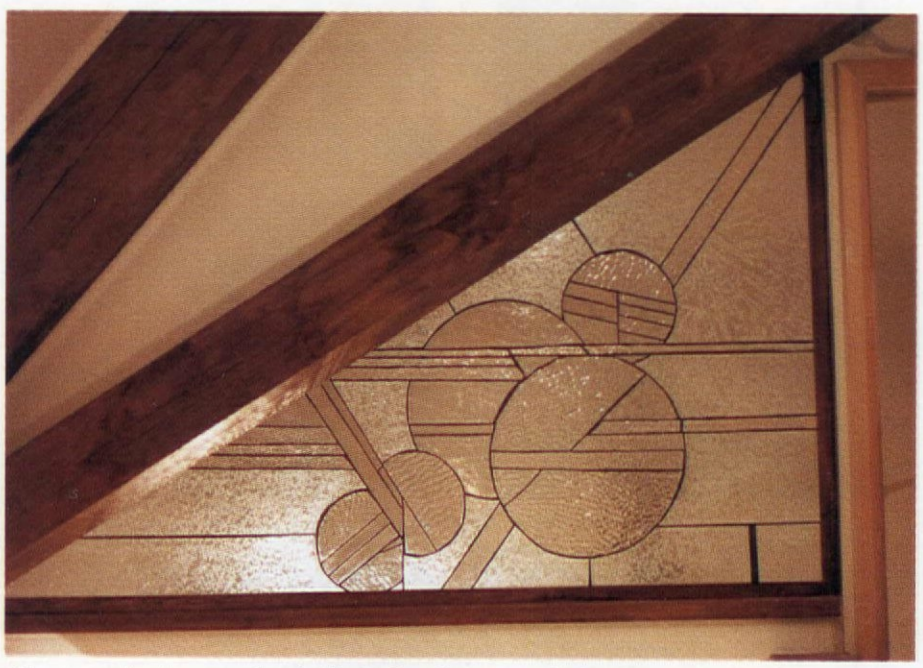
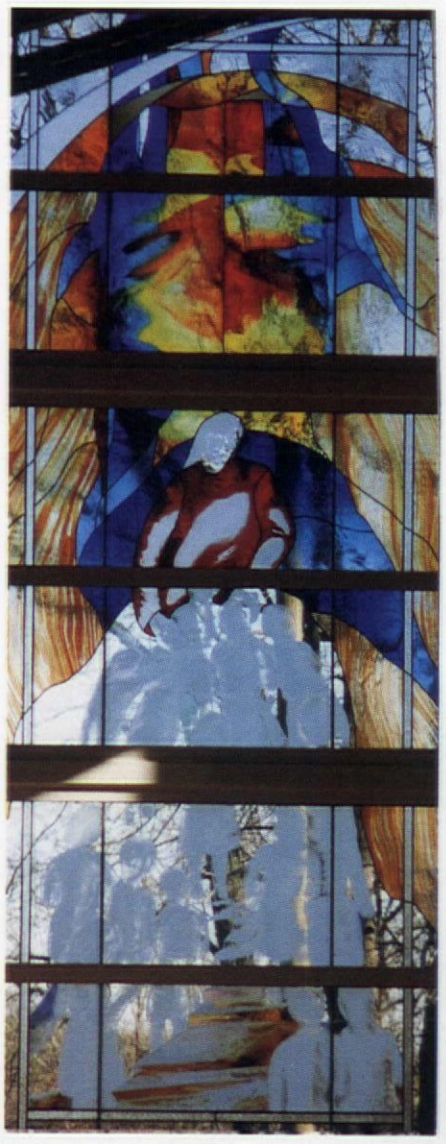
For full contact information on these companies, consult the SourceList on pp. 172-176.

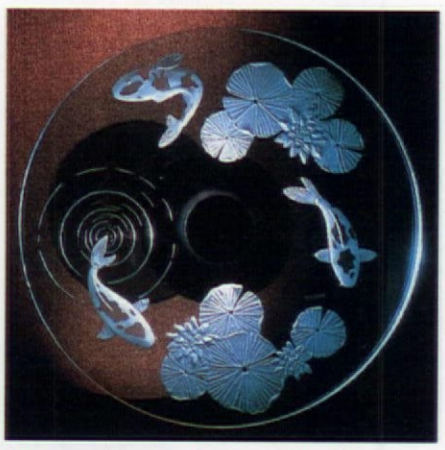


Clever use has been made of a limited wall space with the placement of this geometric art-glass panel fabricated by DAB STUDIO. *Write in No. 2812*

ATG STUDIO designed and fabricated these three full-size panels for a private collector in Georgia. *Write in No. 2692*



This art-glass panel from LEONE MCNEIL, "Suffer The Little Children To Come Unto Me," combines stained glass with painted and sandblasted glass. *Write in No. 9480*



This imaginative "Koi Pond" table, viewed from above, measures 42 in. in diameter and was fashioned in etched glass by GLASS ILLUMINATIONS. In keeping with the firm's name, the table's center support illuminates the glass stop. *Write in No. 2815*

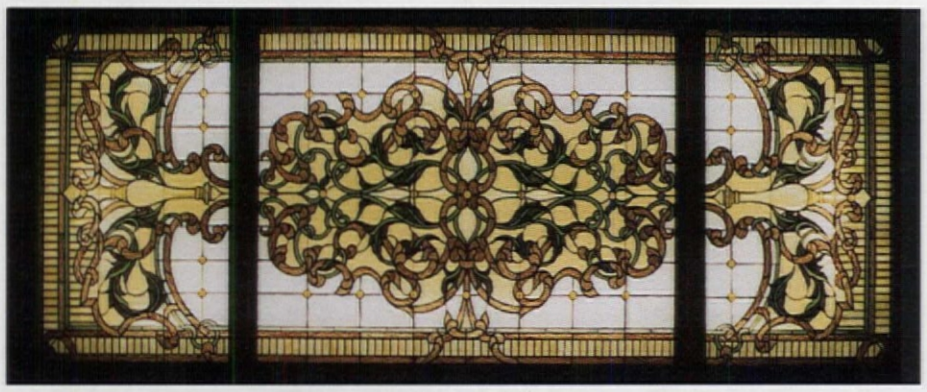
The familiar image of Christ the Shepherd is given new life in this colorful panel fabricated by SALEM ART GLASS. *Write in No. 2666*

CITY GLASS SPECIALTY created this conference-room window, which depicts General Anthony Wayne going into battle.

ADAMS MORGAN STAINED GLASS designer Daniel Wolkoff has developed a free-form method of designing, cutting, and leading, which was used in this set of floor-to-ceiling stained-glass windows. *Write in No. 2686*

ART GLASS PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 172-176.



This naturally lit, 9-panel coffered skylight from ARTIQUE GLASS STUDIO sits 25 ft. above the floor and measures 9 ft. x 12 ft. *Write in No. 1086*

A craftsman prepares to install a light fixture below an art-glass domed ceiling created by LARRY ETZEN STUDIO. *Write in No. 1267*

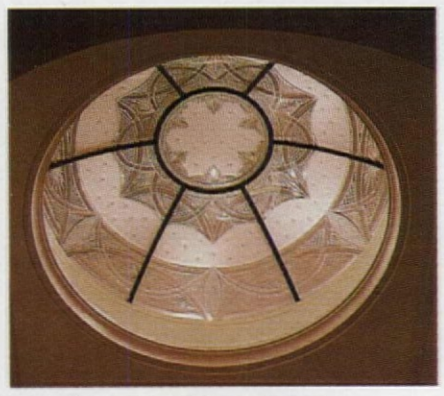
Designer Christina Wallach of WALLACH GLASS STUDIO collaborated with sculptor Martin Varo, Eileen Avery Graphic Design, and DMS Architects to create this angel, one of four that was bas-relief carved on inch-thick crystal and backed by deep green marble. The panels are mounted in the Bass Performance Hall, Fort Worth, Tex., as part of a donor-recognition wall. (See Profile, pp. 22-26 for more on the angel motifs.)

STATE OF THE ART, INC., created this 3-ft.-x-8-ft. stained-glass window for the Smithwood Baptist Church, in Knoxville, Tenn.

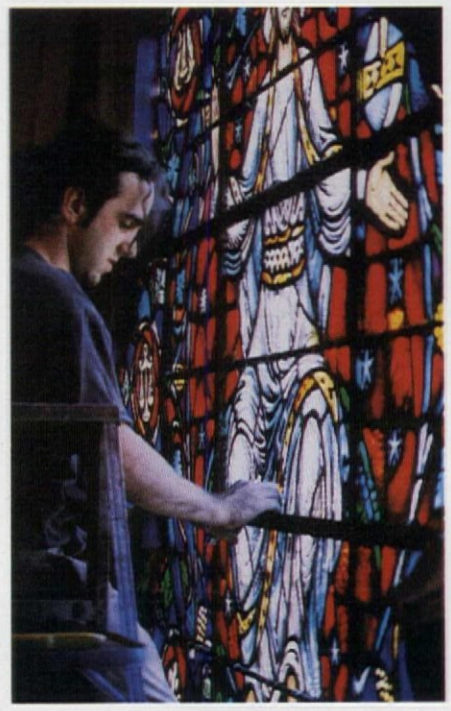
ULTRAGLAS fashions art glass in a variety of imaginative stylings, such as these partition panels. *Write in No. 2685*

This door is transformed by an angel-themed art-glass panel created by VERITE STAINED GLASS. *Write in No. 2671*

For a synagogue in Brooklyn, N.Y., CARVART GLASS fashioned this delicately colored, carved-glass image of the Ten Commandments. *Write in No. 688*



This domed skylight by ZSIBA SMOLOVER LTD. radiates like a fine cut-glass goblet or chandelier.



The art-glass "Rose Window" of Marsh Chapel at Boston University was restored by the craftspeople at BURNHAM & LA ROCHE. *Write in No. 2580*

ART GLASS OF THE SOUTH fabricated this colorful stained-glass lighting canopy for the Adams Mark Hotel in Mobile, Ala. *Write in No. 2510*

This stained-glass dome, shown in an interior view, was created by CONRAD PICKEL STUDIO for the Chapel of the Chimes Cemetery in Hayward, Calif. *Write in No. 813*

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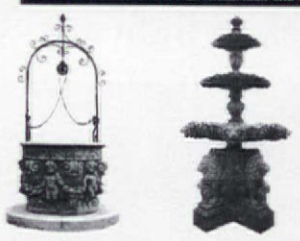

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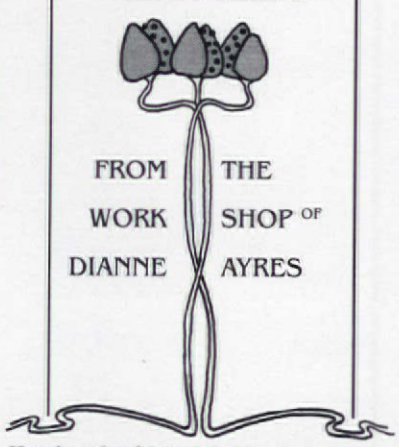

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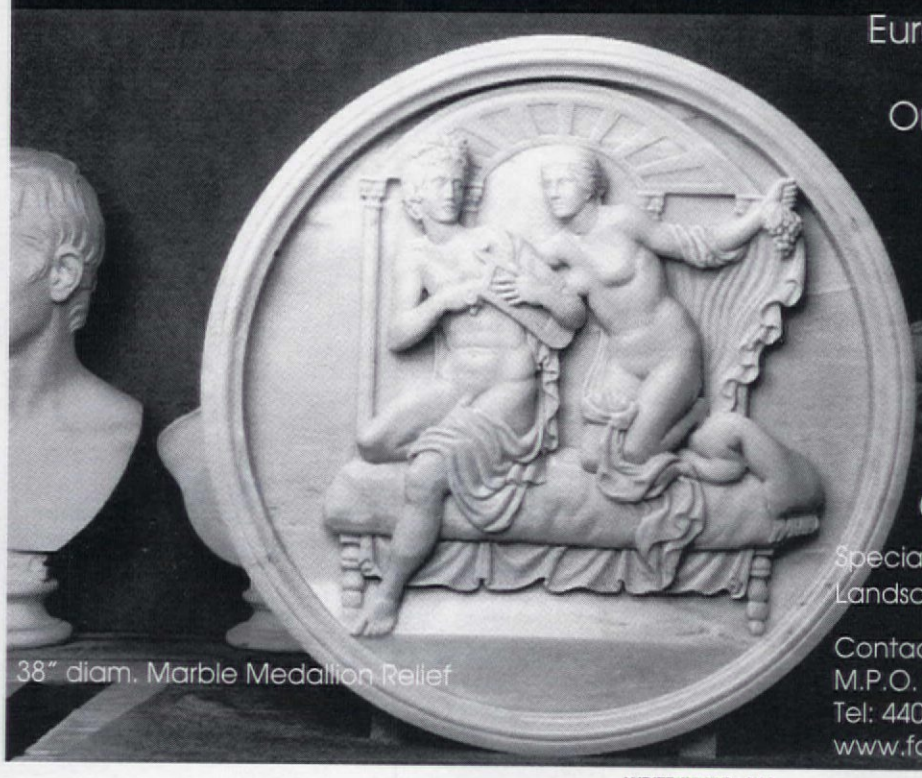

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SourceList 188-194
Portfolio. 194-202

HISTORIC LIGHTING SPECIFICATIONS:

THE ROLE OF "VALUE ENGINEERING" IN LIGHTING HISTORIC SPACES

Since virtually no commercial restoration projects have an unlimited budget, it's important to know *how* to cut costs without compromising the project. Here, a historic lighting manufacutrer sheds light on what corners can be cut and which can't when it comes to lighting.

by Gary H. Behm, *St. Louis Antique Lighting*

VALUE ENGINEERING is, for some, a nasty little phrase which describes lower values and decreased quality, and results in more de-engineering than re-engineering. For others, careful re-engineering for cost-reduction purposes can result in products of equal value and performance, and make the difference between a project moving forward or being stalled or "shelved" due to budgeting constraints.

Lighting specifications for historic projects generally are broken down into two separate groups: historic lighting (restoration and replication) and non-historic lighting (new "off the shelf" fixtures purchased "through distribution" and often specified with the assistance of factory representatives). Historic-lighting specifiers, like their counterparts in other construction categories, bring their own set of ideas, knowledge base, preservation principles, and prejudices to the specification process. One thing everyone shares, however, is their role in providing for the owner the highest-quality product for the least amount of cost; part of the job is getting the best value for the owner.

In the initial budget-setting phase of project development, the emphasis on quality in restoration or replication is high. Often, existing fixtures are specified to be removed, carefully packed and crated, shipped to the restoration manufacturer, completely stripped to bare metal, finished to match the original, re-wired to U.L. specifications, and finally re-installed.

If new fixtures are to be manufactured from existing fixtures or historic-photo documentation, exact replication is generally specified; often a sample of the replicated fixture is required for approval and is submitted for side-by-side comparison with the original to insure the quality of the reproduction.

After the specifications are completed and "out to bid," things start to get interesting. Even if there are three or more pre-qualified bidders specified to deliver a quality product, the competitive bid process (designed to provide competitive pricing to the owner) also drives the attempt by contractors to lower cost by way of supplier substitution or "value engineering" specified product. If the specification is "tight" (i.e., written to protect against the substitution of unqualified manufacturers or products), the contractor will be unable to substitute a cheaper product and must supply exactly what is specified. A well written specification can thus help insure quality products and prevent unscrupulous contractors, factory representatives, or manufacturers from pocketing the difference between the specified product and

continued on page 182

Homes Hall, Washington University. These fixtures were originally quoted in solid bronze. Due to budget limitations, the manufacturer was asked if the fixtures could be supplied in a cheaper material but match the original "antique bronze, dark oxidized and relieved" finish. The fixtures were fabricated from steel flat stock, stamped steel leaves, and banding (rather than the cast bronze on the originals). Without having to make new patterns, molds, and tooling, the fixtures cost only 50% of the original bid. The faux finish is bronze powder coat deep gold, relieved with dark brown antiquing glaze clear-coated with Incralac — an extrememly durable acrylic lacquer with a U.V. inhibitor. In future generations, these fixtures can still be refurbished for a new life.

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the substituted one.

However, when the bid process comes in "over budget," specifiers are often asked to develop an "across the board" menu of cost-cutting choices for the owner. This assists the owner in establishing cost priorities, helping determine whether to proceed with the project, delay the project until more funding is available, phase the project over time, or utilize its expenditures in such a way that the project can proceed. This process of "value engineering" should involve all parties on the project team, keeping in mind the projected life of the building and the final "value" of the building. For example, if a historic hotel is being restored for quick resale rather than a long-term ownership, the developers are more likely to spend their dollars on cosmetic items that help sell it, rather than on long-term structural engineering items that are less visible.

There are several categories of cost reduction in restoring or replicating historic lighting; as a general rule, the greatest cost savings are on labor rather than materials.

Materials

Most historic fixtures were of non-ferrous material; bronze, brass, copper, or combinations thereof. In the late-19th and early-20th centuries, many manufacturers had their own foundries "in house." Bronze was readily available in bar stock, flat stock, sheet and plain, or decorative tubing. Today's choices are much more limited. Brass is readily available in most forms; bronze and copper are not as available. The preferred least-costly and most-used material is brass, which can be finished to match the original bronze patinas, and has similar overall metallurgical characteristics to bronze.

Notre Dame Administration Building. This photo represents three cost-saving measures: the use of bronze powder coat (clear-coated with Incralac) on a steel housing (rather than a patinated solid-brass or bronze housing); the use of cast-bronze applied ornament rather than casting the entire ring; and the use of marbled acrylic (faux alabaster) rather than slumped glass or alabaster panels.

U.S. Dept. of Agriculture: CD#6668. This fixture "replication" exemplifies the substitution of materials. The metalwork replicates the original, polished cast bronze. The "bowls" were originally carved alabaster, weighing over 40 lbs. The natural fissures in the stone began to separate over time (70 years), requiring replacement. The "faux alabaster" replacements were made of fiberglass: The color, size, and finish are very similar to the original. The fiberglass bowls transmit a little more light, weigh only 10 pounds, cost 1/6 as much as the real alabaster, and are not nearly as fragile.

The use of steel or aluminum, painted or plated to approximate the originally specified finishes, is often an acceptable alternative to brass, copper, or bronze. The cost savings can range from 20 to 30%. It is also possible to use bronze or brass on some elements and to use steel or aluminum on larger spun elements (where the cost savings are greatest). This combination of finishes is both aesthetically pleasing and historically authentic.

Diffusers: Shades, Bowls, Panels, etc.

Historic fixtures used glass diffusers of every color, size, shape, and finish imaginable. Occasionally other materials — mica, alabaster, rock quartz, or marble — were also used.

Exact replication of original glass — first making the mold, then the glass, then the historic process of acid-etching or copper-wheel engraving, etc. — is very expensive, especially for small runs. The simplest cost reduction is to use existing, "off the shelf" glassware available from several historic-lighting manufacturers or lamp-part suppliers. Most of these shades can be purchased for 1/3 to 1/5 the cost of custom glass; most glass companies will not produce less than 100 pieces without a hefty setup charge.

In some cases, acrylic, polycarbonate, or fiberglass can replace glass. These materials are lighter in weight than glass, and in many cases they can be molded or colored to closely match the original. They're also much less likely to break in shipping, handling, or post-installation maintenance. New products are U.V. stable and thus will not discolor, but they're all much less tolerant of heat than glass is. For low-temperature applications, those materials should be considered an option — especially in public spaces where liability concerns are an issue.

Finish

Finishing ornamental metal is labor intensive, especially when patinated and relieved finishes are specified. They require removing existing coatings to bare metal, finishing the metal itself (polishing, satin finishing, etc.), patinating, relieving, and coating (usually with a clear lacquer). Some-

continued on page 184

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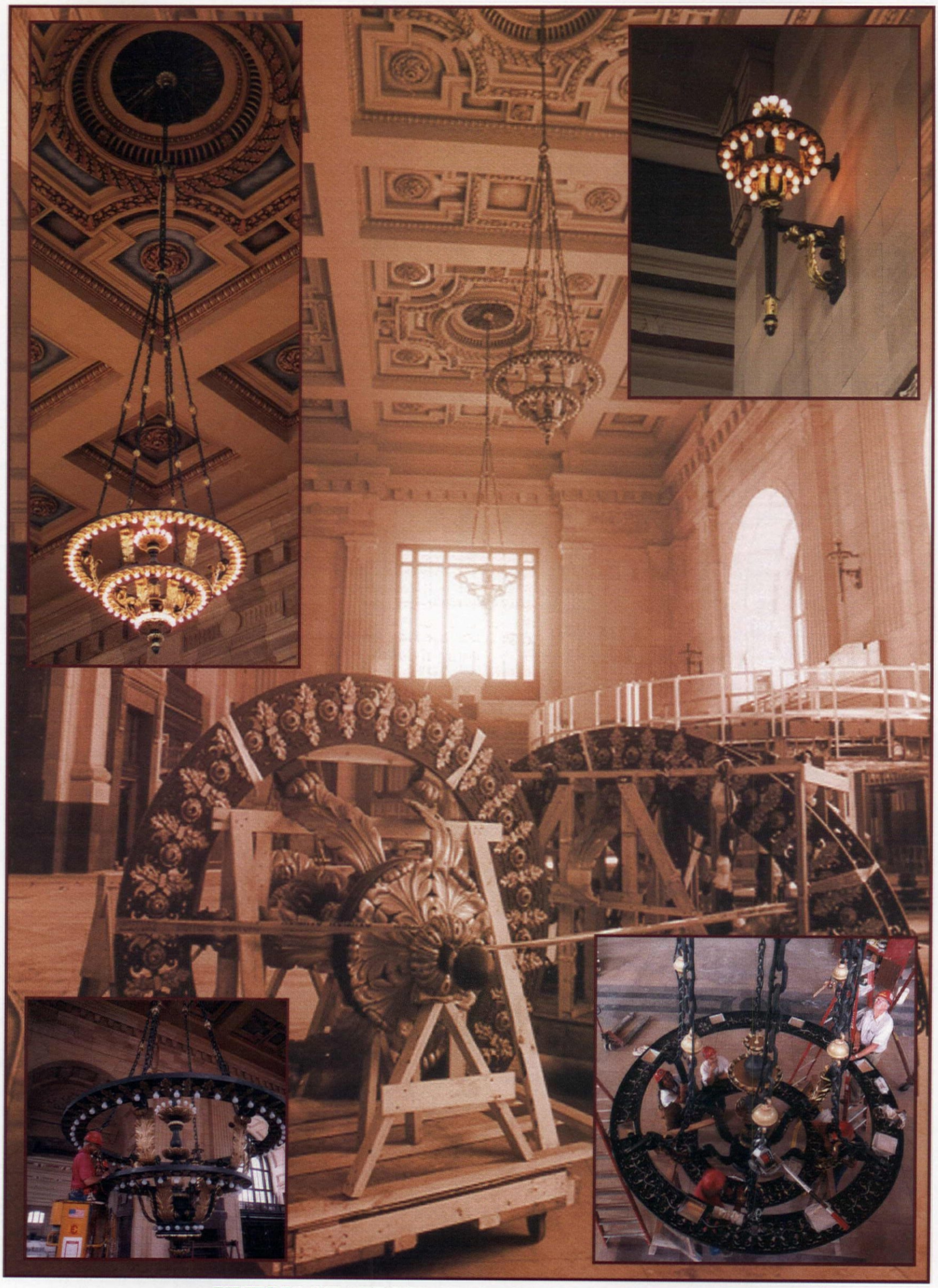

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HISTORIC LIGHTING SPECIFICATIONS, continued from page 182

times there are alternatives to complete refinishing if the existing underlying patina appears to be in salvageable condition: no evidence of oxidation, pitting, severe discoloration, or "bronze rot." The surface coating should be removed by non-abrasive means (solvents, paint stripper, hot alkali solution). Once the old surface (paint, varnish, or lacquer) is removed, it is possible to determine if the existing patina can be preserved in place. Often the original finish will require some touch-up or "evening out" of contrast (caused by U.V. darkening or exposure to air and moisture), but the amount of time saved can be half as much as the labor required to totally refinish the fixture, and the final result of saving the original patina can look as good or better than total refinishing.

Lighting Historic Places
Should enhance historic spaces;
No expense should be spared,
No dollar unspent
In search for perfection
Of exact replication.

— However —

When the budget's too high
And the project's near lost,
'Tis better to pause,
And give thought to the cost.

Another cost-saving method is to specify a different finish completely. Polished brass and satin brass require about the same amount of labor; antiquing adds another level of cost; relieving a patinated finish adds another level. Plated finishes (chrome, nickel, silver over solid brass, bronze, or copper) add a significant level of cost (usually 20 to 30%; more for silver and gold), and antiquing the plated finishes adds even more cost.

Faux finishing is the traditional cost-saving method in this area because it allows the use of cheaper base metals (steel, iron, aluminum) and because some applications are less labor intensive than the patination process. A color-matched bronze powder coat on steel to complement the antique bronze finish on the ornamental parts of a fixture can save as much as 20%.

Design: God is in the Details, but Complexity Costs

Much of the original lighting that remains in our historic public buildings and residences could be described as "ceiling jewelry." When specifying the replication of historic lighting, it is important to remember that these fixtures spend their lives on walls and ceilings for the purpose of general illumination and aesthetic accentuation; they are *not* hand jewelry requiring zero-tolerance perfection. The over-specification of detail (sometimes the external projection of the obsessive-compulsive character traits of the specifier) results in increased labor and materials costs; again, not a problem if the owner is willing to pay for the design complexity or perfection in its execution. The standard means to save cost in this instance is to specify "similar," with follow-up information describing what is acceptable and unacceptable in design, material, scale, and finish. ***The simplification of design, and the substitution of material and finish, can reduce costs by 20 to 50% and still result in an acceptable product.***

Scale/Standard Parts

Sometimes a small reduction or increase in size can reduce cost. Raw material (sheet brass, bar stock) comes in standard sizes; lighting parts (shade holders, couplings, finials, glass shades, and so on) come in standard sizes, patterns, and colors. The use of standard sizes and available parts avoids labor-intensive custom fabrication; this includes (when working closely with a manufacturer) availing yourself of the preexisting patterns, molds, and tooling which the manufacturer has on hand from prior work and which is available for reuse.

Remember: The fixture is on the ceiling. A general rule is that if your eye cannot discriminate the difference in design between two similar parts (one an exact custom replication and one "off the shelf"), there should be latitude to consider the use of the "similar," cheaper (mass-produced) product.

Over-Specification

Once again, the rule here is *keep it simple.* A recent specification required that "all historic fixtures shall be packed in molded foam, placed in cartons, and secured inside wood crates. Fixtures shall be shipped both ways only in the restoration manufacturers' supplied vehicles, but under no circumstances shall fixtures be shipped by common carrier. Each fixture's condition shall be photo-documented prior to packing, each side as well as top and bottom shall be photographed both in 35mm and digital format." This specification probably added 10 to 15% in unnecessary cost. Since the fixtures were cast bronze, damage was highly unlikely. An "insurance clause" (for fixture-replacement value) should cover all risk. Generally one or two good photos, with written detailed "damage notations," are sufficient condition documentation.

If the specification clearly defines who is responsible for what and when, and requires the restoration manufacturers to be on site during take-down to advise proper handling, disassembly, packing, and crating methods, the electrical contractor should be able to take down, pack, and crate the fixtures safely and effectively. The same is true for the return trip. With the restoration manufacturer already having provided assembly and installation instructions, on-site presence helps insure safe uncrating, handling, and re-installation. Normally, it's not necessary for the restoration manufacturer to be present all the time; only for the most difficult (usually large-scale) fixture assemblies and installation, and then only for a representative sample fixture.

Caveat Emptor: Let the Buyer Beware!

Some final words about value: Know your products! When value engineering, create a menu for cost-savings options. Keep all parties involved in the process (owner, architect, project manager, engineer, lighting consultant, and manufacturer). Each party will have a different view toward cost saving and preserving value; all ideas should be on the table and out in the open.

Think past just providing initial value and think toward *preserving* value. Sometimes the more-expensive product is cheaper in the long run. Fixtures specified with energy-saving compact fluorescent lamps with integral ballasts may cost more initially, but pay back much more in the long-run due to low maintenance and energy savings. The higher cost of properly specified lighting replication in a State Capitol, for example, may well save the cost of several generations of inferior products.

In the end, value engineering is a nod toward practicality; it is a form of compromise, once defined as a situation in which parties reluctantly agree and leave the table unhappy — but satisfied. Necessity often requires such compromises, even of the high-minded. ■

Gary H. Behm is a historic-lighting consultant and President of St. Louis Antique Lighting Company. This article was written while on vacation; any errors in content or construction should be blamed on Wyoming weather conditions.

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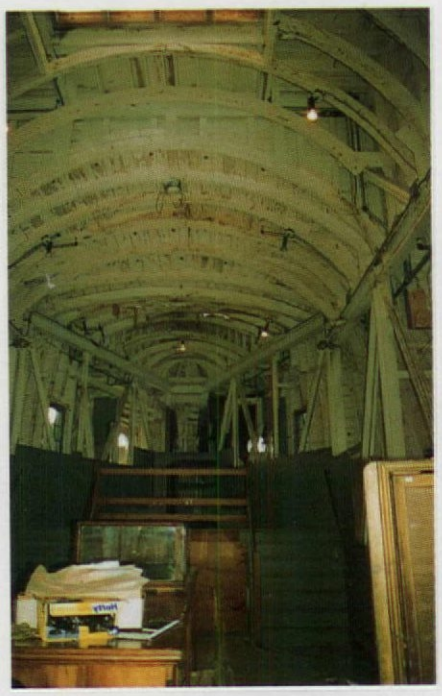
AN ELEPHANTINE LIGHTING JOB

The ingenuity of glass fiber optics lights up Lucy the Elephant. Although an unusual application, the technology is appropriate for everything from courthouses to…elephants.

by Gersil N. Kay, *Building Conservation International*

How do you light an elephant — especially a gigantic three-story wooden pachyderm that is a National Historic Landmark? Since 1882, Margate, New Jersey's Lucy the Elephant has weathered over 100 years of severe Atlantic hurricanes that have leveled newer but less sturdy structures. At times, she has also lacked even basic maintenance. Having first been a real estate office, then a hotel and a tavern, Lucy has now been turned into a museum, which opened in the summer season of 2000.

For the transformation, materials and methods were required not only to satisfy life-safety and building codes, but also to retain the integrity of this historic property's original design and fabric. Although always essential, lighting is one of the most destructive elements in a building (along with an unbalanced temperature/humidity level). With prolonged exposure, the infrared rays emitted by ALL light, natural or manmade, will dry out fugitive organic materials such as wood, textiles, paper, leather, ivory, and lacquer; ultraviolet rays will fade them irreversibly. Introducing electric light into older buildings where it was never used originally could present a problem. However, with proper training, this undertaking can be not just profitable, but fun.

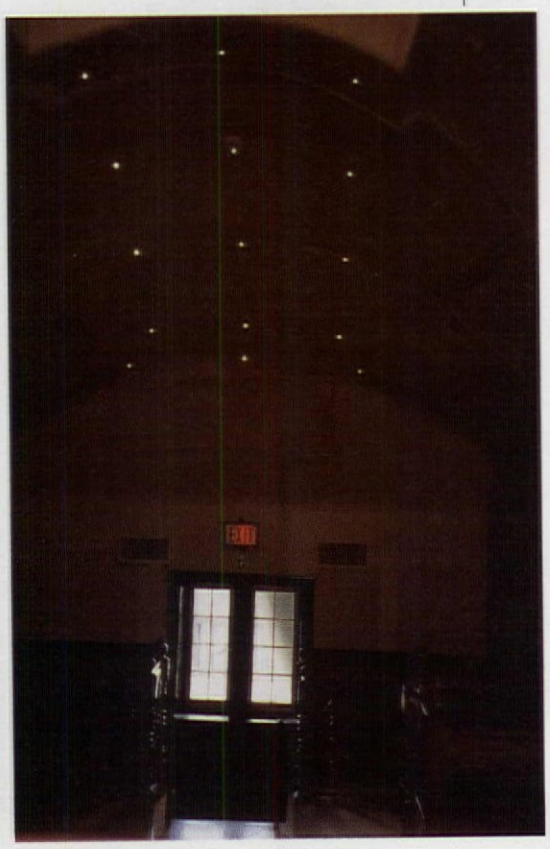


The interior before restoration.

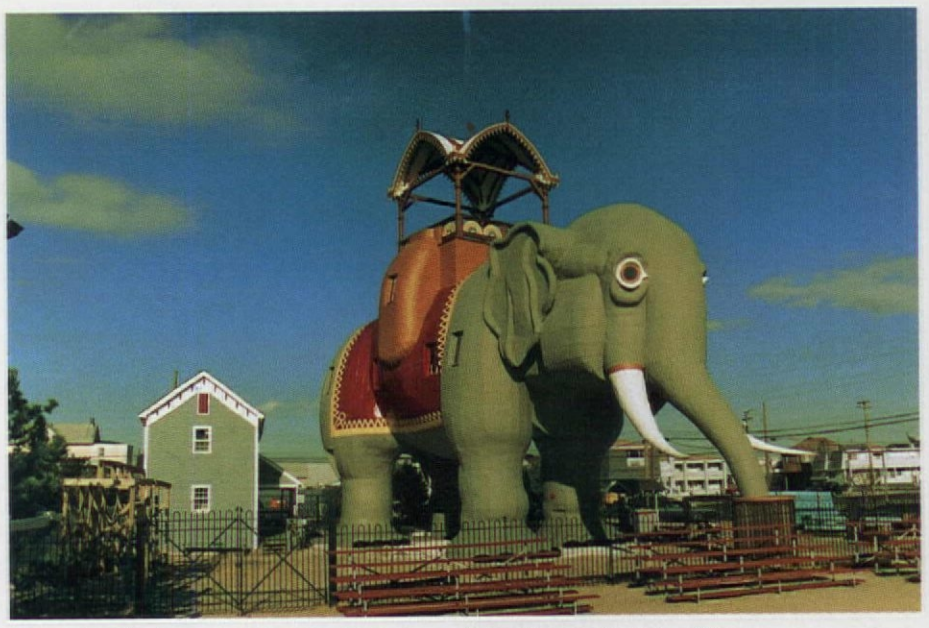
The scope of the lighting portion of this project included the 56-ft.-long main hall with a high curved ceiling; the spiral entrance staircases up the two back legs, and the two in the middle of the body leading to the howdah; and the four display areas. Lucy's original 2-1/2-ft. wooden tongue and an 1882 footed bathtub are among the objects on view. This architectural folly was apparently constructed by shipwrights who left little interstitial space. In the center of the ceiling is a large skylight, which previously had provided most of the daytime illumination. As a museum, Lucy would now be open at night, and so it needed artificial light even though there were very shallow clearances for conventional fixtures.

There were several lighting parameters for this project: 1. No infrared or ultraviolet rays in the light, as they would be destructive to the original materials. 2. Unobtrusive lighting hardware that would fit into tight clearances and require the smallest penetration into the plasterwork (a rich Victorian rose). 3. Lighting that would not present a hazard to visitors in the limited space of the stairwells. 4. Long-lasting equipment requiring minimal maintenance. 4. A vandal-proof system for crowds of inquisitive children and adults. 5. Cool lighting to keep the air-conditioning load as low as possible. 6. High energy-efficiency for economical operation, which would also comply with the ASHRAE/IESNA Standard 90.1-1999* (Energy Conservation). This Standard covers the building envelope heating/ventilating/air-con ditioning, power and lighting for existing as well as new buildings, plus alterations and additions. Its restrictions will soon be incorporated into enforceable building codes in every state, and practitioners will have to become familiar with lighting systems that are more energy-efficient than the conventional incandescent, halogen, and fluorescent lamps in order to comply.

Miniature downlight in the skylight.



Glass fiber optics fit neatly in the confined space.



Lucy the Elephant, in Margate, N.J., was originally a real estate office.

After thorough research, it was decided that only glass-fiber-optics lighting could satisfy all of these criteria. This three-part system is composed of a light source (projector), an octopus-like harness of thin, flexible light guides ("tails"), and a variety of miniaturized fittings to control the beam. Points of light are delivered exactly to where they are needed. This system's long-lasting, halogen-free 'green' components create a glare-free environment, improving individual comfort and thus increasing attendance, production, and sales. No electricity flows through the tails, only light.

The lighting was designed by a fiber-optics specialist familiar with construction, architectural history, engineering, lighting techniques, and museum conservation. The system's compatible components were selected for specified light levels. Although dependable baseboard glass fiber-optics emergency lighting was also desired, the money available could only cover the basics. Therefore, standard units backed up with an inverter were utilized for the time being. A special etched-glass EXIT sign in the shape of Lucy's silhouette also had to be abandoned due to bugetary restraints. The initial lighting-equipment cost was slightly higher than traditional components, but substantial savings in both installation and continued operation made the selection economically acceptable. In any case, conventional fixtures simply could not satisfy the application.

After the consultant diagramed the location of the light sources and where the points of light were to emerge, it became just another lighting job for electricians already familiar with the technology; power and control wiring always have to be done, no matter what the system. The harnesses arrived fully assembled and only had to be inserted into the shoebox-size light sources, which were concealed in readily accessible locations for relamping. As with the plastic version, no cutting, polishing, or splicing tails on site is needed. Because the walls and ceilings were open, fishing the tails through these spaces was a simple matter. Miniaturized fittings to control the beams were merely screwed onto the threaded metal ferrules of the light guides and focused.

Altogether, only nine 100-watt metal halide lamps, powering 67 tails, were needed for the entire project. Now updated with the latest mechanical/electrical systems, the 118-year-old Lucy can once again attract visitors to the famed Atlantic City neighborhood. The next phase of work will be the exterior lighting and a Gift Shop. Hurricanes, sand, and salt air will all have to be considered, so stay tuned for the next episode in Lucy the Elephant's continuing saga. ■

**American Society of Heating, Ventilating, Air-Conditioning Engineers/Illuminating Society of North America, with the U.S. Dept. of Energy.*

Conservation Lighting International (CLI) is the pioneer in using glass fiber optics for functional architectural lighting. It is a full-service company involved from initial concept through planning, supply, and installation. CLI was created by Gersil N. Kay, author of the first comprehensive study of the subject, "Fiber Optics In Architectural Lighting" (McGraw-Hill, 1999).

LUCY'S STATISTICS:

- Howdah: 65 ft. high x 16 ft. square x 20 ft. high.
- Two spiral stairways in hind legs plus the two spiral stairways in the body leading to the howdah total 350 steps.
- Originally, the above-grade entrance led into the reception room (18 x 18 ft.) neatly fitted up like a house, with dining room, kitchen, and 4 bedrooms.
- 22 windows.
- 1,000,000 pieces of timber = 8,560 ribs or arches.
- 200 kegs of nails.
- 4 tons of bolts and bars.
- 12,000 sq.ft. of tin covering Lucy's body (28 ft. long x 80 ft. in circumference.
- Head: 26 ft. long x 58 ft. in circumference.
- Neck: 6 ft. long x 48 ft. circumference.
- Legs: 22 ft. long x 10 ft. in diameter.
- Ears: 70 ft. long and 10 ft. wide, each weighing 2,000 pounds.
- Tail: 26 ft. long.
- Trunk: 36 ft. long.
- Tusks: 22 ft. long.
- Eyes: 18 in. in diameter and made of glass.
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manufactured in the USA

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height 3' 6" • width 3' • 100 lbs

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Solid Bronze and Czechoslovakian Crystal
height 13' 6" • width 6' • weight 1500 lbs

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for

theatres, churches, hotels, homes and any other grand space that wishes to convey a sense of taste and refinement.

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height 7' • width 3' • 600 lbs

"The Hanging Sconce"
height 6' • diameter 18"
30" extension from wall
250 lbs

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Through superb manufacturing facilities using the tremendous talents of the Chicago area workforce, Pearlman's custom-malleable bronze is cast to create simply the most stunning, meticulously executed light fixtures in America.

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WRITE IN NO. 926

TRADITIONAL BUILDING'S INTERIOR LIGHTING *SourceList*

CSI# 16510

COMPILED BY COLE GAGNE

COMPANY	SPECIALTY	Literature	STYLES OF FIXTURES								TYPES OF FIXTURES											
			Early American	Victorian	Turn of the Century	Art Nouveau	Art Deco	Arts & Crafts	Southwestern/Rustic	Other	Chandeliers	Sconces	Pendants	Lanterns	Table Lamps	Other	Antique/Salvage	New Designs	Historic Reproductions	Custom	Restoration	% Custom
AAMSCO Lighting, Inc. 800-221-9092; Fax: 201-434-8535 www.aamsco.com Jersey City, NJ 07305	Art Deco lighting for the hospitality market. Vanity and bathroom lighting a speciality. Also Ferrowatt antique reproduction light bulbs.	Free Write in No. 2240					✔					✔	✔		✔			✔	✔	✔		40%
Academy Lamps 310-271-1123; Fax: 310-271-1318 9011 Beverly Boulevard Los Angeles, CA 90048	Manufacturer of hand-wrought iron chandeliers and sconces; custom finishes a specialty, plated and painted. Also imports fine lighting from Europe.	Free Write in No. 923	✔		✔	✔		✔		Traditional Northern European	✔	✔	✔	✔		Exterior		✔	✔			25%
Adkins Architectural Antiques 800-522-6547; Fax: 713-529-8253 www.adkinsantiques.com Houston, TX 77004	Fireplaces; cast-iron and -aluminum garden products: street lights, urns, fountains, mailboxes, furniture, iron fencing, gates, and bells; cast-stone, -concrete, and -aluminum statuary; retail, wholesale, rental.	Free Write in No. 2681		✔	✔	✔	✔	✔	✔		✔	✔		✔			✔		✔			0%
Aladdin Light Lift, Inc. 901-385-0456; Fax: 901-385-0533 www.lightliftinc.com Memphis, TN 38133	Manufactures a motorized lift system, which automatically lowers a chandelier for easy cleaning and bulb replacement. Models available that handle fixtures weighing up to 1200 lbs.	Free Write in No. 7850														Chandelier lift system						0%
Andy Thornton Architectural Antiques, Ltd. +44-1422-377314; Fax: +44-1422-310372 www.ataa.co.uk Halifax, W. Yorkshire, UK HX4 8AD	Huge selection of original and reproduction period lighting, from Victorian to Art Nouveau and Deco. 400-page catalog. Lighting commissions, including stained-glass lighting fixtures and ceiling domes. Modern selection available.	Free Write in No. 2736	✔	✔	✔	✔	✔	✔			✔	✔	✔	✔		Stained glass, exterior	✔	✔	✔	✔		25%
Architectural Heritage, Inc. 205-322-3538; Fax: 205-323-0084 www.architecturalheritage.com Birmingham, AL 35233	European architectural antiques for garden and home; wide selection of doors, mantels, garden elements. Outdoor lighting. Unusual and one-of-a-kind pieces.	Free Write in No. 2638	✔	✔	✔	✔	✔	✔			✔	✔	✔	✔		Exterior	✔	✔	✔	✔		5%
Architectural Products by Outwater, LLC 800-835-4400; Fax: 800-835-4403 www.outwater.com Wood Ridge, NJ 07075	Supplier of more than 35,000 ready-to-ship building-component products including int./ext. architectural millwork, columns, decorative moldings & trim, wrought-iron components, hardware & lighting.	Free Write in No. 2635								Period-inspired Mid-European Roman, German, & Anglo-Saxon influenced designs		✔				Custom cove molding light, cornice moldings for indirect lighting		✔	✔	✔		10%
Arte De Mexico 818-753-4559; Fax: 818-563-1015 www.artedemexico.com Burbank, CA 91506	Eclectic mix of antique architectural elements, furnishings, and art from Mexico, Morocco, India, etc. Company also produces new items such as wrought ironwork, religious sculptures, hardware, and lighting.	Free Call for more information		✔					✔	Mediterranean, Tuscan, contemporary	✔	✔	✔		✔			✔		✔		30%
Artemide, Inc. 631-694-9292; Fax: 631-694-9275 www.artemide.com Farmingdale, NY 11735	Source of interior lighting.	Free					✔			Contemporary, decorative	✔	✔	✔		✔	Architectural systems		✔		✔		
Aurora Lampworks 718-384-6039; Fax: 718-384-6198 www.auroralampworks.com Brooklyn, NY 11211	Restoration and replication of antique and custom lighting fixtures; residential, commercial, institutional. UL shop. email: auroralamp@aol.com	Free Write in No. 517															✔		✔		✔	85%
Authentic Designs 802-394-7713; Fax: 802-394-2422 www.authentic-designs.com West Rupert, VT 05776	Hand-crafted Early American and Colonial lighting fixtures in brass, copper, and Vermont maple; interior and exterior. Over 250 standard designs; custom sizes available.	Free Write in No. 60	✔							Colonial	✔	✔	✔	✔	✔				✔	✔		30%
Ball & Ball Lighting 610-363-7330; Fax: 610-363-7639 www.ballandball-us.com Exton, PA 19341	Large line of authentic historic lighting and lanterns, both interior and exterior; 18th, 19th, and early-20th centuries. Custom lighting a specialty.	Free Write in No. 7660	✔		✔			✔			✔	✔	✔	✔			✔	✔	✔	✔	✔	70%
Baltica 508-763-9224; Fax: 508-763-4305 www.baltica.com Mattapoisett, MA 02739	Hand-crafted, European-made architectural fittings: custom door hardware, hinge finials, lighting fixtures, switchplates, window hardware, cabinet hardware. Patented designs; authentic Gothic, Baroque. Authorized showrooms worldwide.	Free Write in No. 411										✔	✔			Switchplates				✔		90%
Brass Light Gallery, Inc. 800-243-9595; Fax: 800-504-9404 www.brasslight.com Milwaukee, WI 53201	Designer and manufacturer of interior and exterior lighting for residential and commercial spaces. Vintage-lighting restoration services available.	Free Write in No. 8890	✔	✔	✔	✔	✔	✔	✔		✔	✔	✔	✔	✔		✔	✔	✔	✔	✔	20%
Brass Reproductions 800-828-5858; Fax: 818-709-5918 www.brassrepro.com Chatsworth, CA 91311	Manufacturer of solid-brass lighting, specializing in Turn-of-the-Century and Victorian styles, for both residential and commercial applications. Custom fixtures with different finishes also available.	Free Write in No. 2642	✔	✔	✔	✔	✔	✔	✔			✔	✔	✔	✔		✔	✔	✔	✔	✔	50%
Capitol Lighting & Restoration 616-844-5000; Fax: 616-844-2228 www.capitollighting.com Spring Lake, MI 49456	Certified lighting-design firm specializes in system design and equipment. Restores, replicates, and supplies new custom lighting equipment tailored to specific historical periods or special applications.	Free Write in No. 2809	✔	✔	✔	✔	✔				✔	✔	✔	✔				✔	✔	✔	✔	50%
Casa di Murano, Inc. 718-369-9885; Fax: 718-369-9886 www.casadimurano.com Brooklyn, NY 11215	Hundreds of styles of Venetian-glass lighting; can customize by size, color, or number of lights to fit the customer's needs.	Free		✔	✔	✔	✔			European	✔	✔			✔			✔	✔	✔	✔	100%
Christopher Thomson Ironworks 505-421-2645; Fax: 505-421-2618 www.christhomsoniron.com Ribera, NM 87560	Full line of portable lamps in all sizes. Also, wall sconces; custom designs available.	Free Write in No. 237							✔	Contemporary	✔	✔	✔	✔	✔	Floor lamps		✔		✔		50%
Cirecast, Inc. 415-822-3030; Fax: 415-822-3004 www.cirecast.com San Francisco, CA 94124	High-quality lost-wax, investment-cast reproduction door and window hardware and lighting fixtures. Catalog items are from 1870-1885 pattern designs. Extensive experience in custom commercial projects.	Free Write in No. 2280		✔	✔	✔	✔	✔			✔	✔	✔			Custom			✔	✔		70%
Classic Accents, Inc. 800-245-7742; Fax: 734-941-5177 www.classicaccents.net Southgate, MI 48195	Push-button light switches with plain or ornamented brass and wooden plates. Also, brass molding hooks, decorative tassels, and carbon-filament Victorian bulbs.	Free Write in No. 4850														Lightbulbs, switches, switch plates						10%
Classic Illumination, Inc. 510-849-1842x102; Fax: 510-849-2328 www.classicillumination.com Berkeley, CA 94710	Offers a complete line of custom-made lighting products; historic reproductions to contemporary designs. 12 finishes on solid brass with a large collection of glass and acrylic shades available.	Free Write in No. 5970		✔	✔	✔	✔	✔			✔	✔	✔		✔			✔	✔	✔		100%
Coe Studios, Inc. 510-527-2950; Fax: 510-527-0103 1214 Fourth St. Berkeley, CA 94710	This metalsmith/mountaineer/naturalist does forging, hammering, repousse, and lost-wax castings in solid bronze and iron, with inspiration for his designs drawn from nature. Any style or period available.	Free Write in No. 830																		✔		100%

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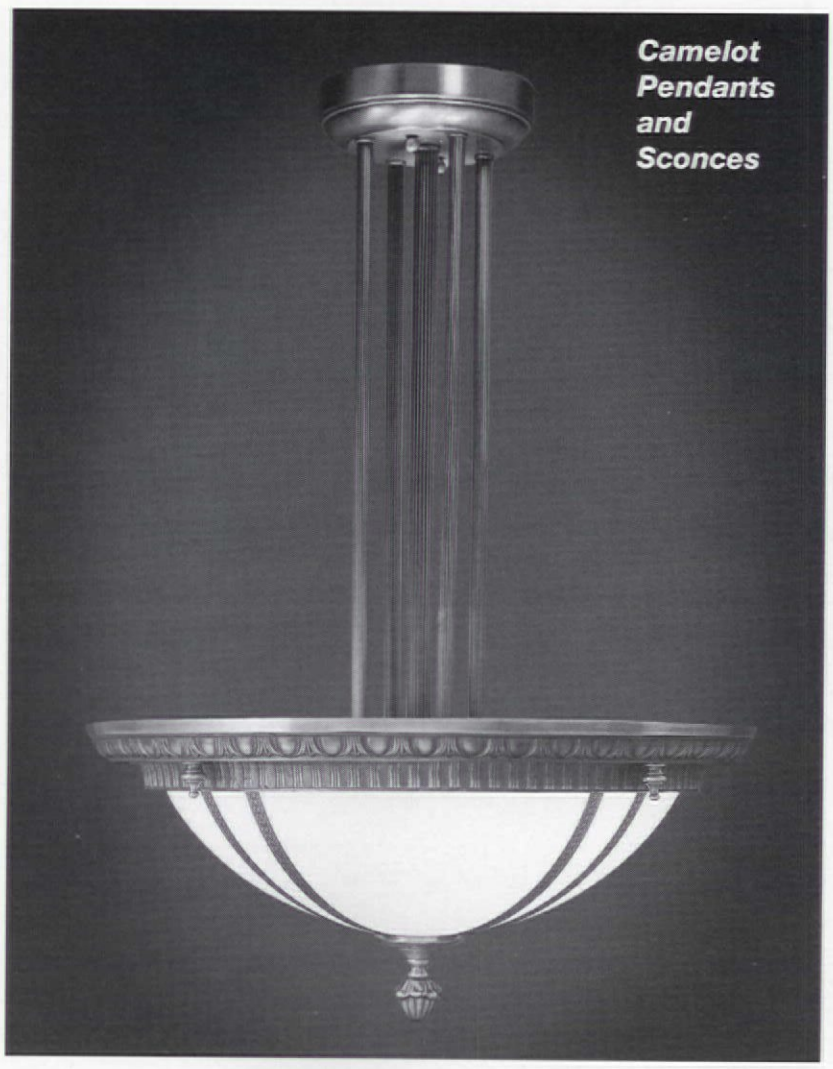

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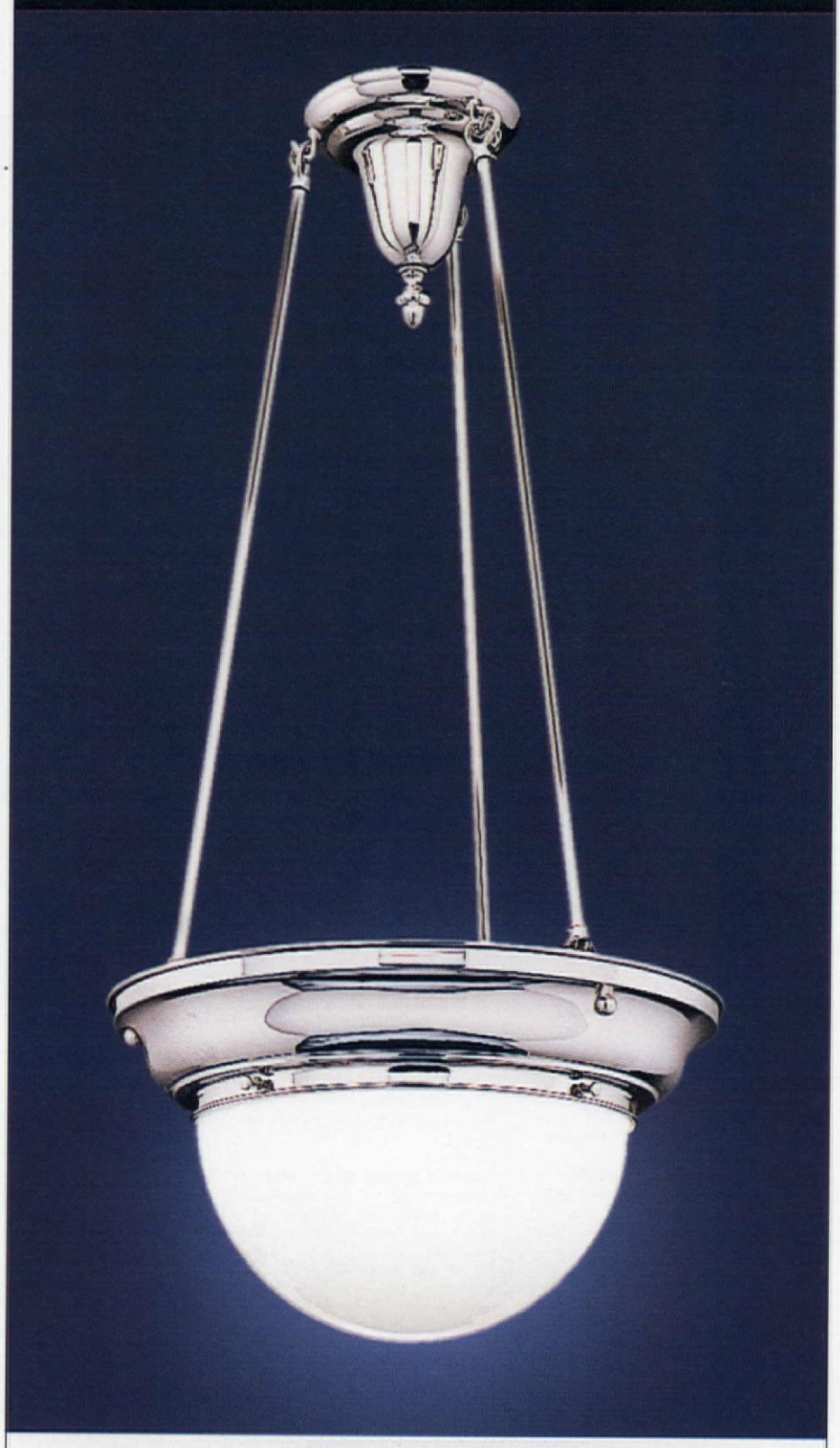

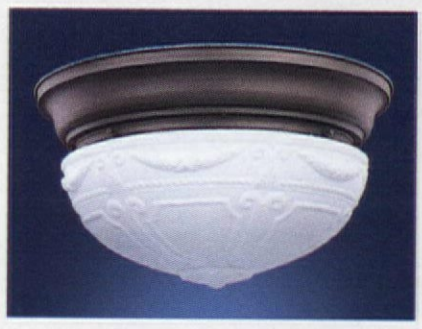

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WRITE IN NO. 7630

TRADITIONAL BUILDING'S INTERIOR LIGHTING *SourceList*

CSI# 16510

COMPILED BY COLE GAGNE

COMPANY	SPECIALTY	Literature	STYLES OF FIXTURES								TYPES OF FIXTURES												
			Early American	Victorian	Turn of the Century	Art Nouveau	Art Deco	Arts & Crafts	Southwestern/Rustic	Other	Chandeliers	Sconces	Pendants	Lanterns	Table Lamps	Other	Antique/Salvage	New Designs	Historic Reproductions	Custom	Restoration	% Custom
Conant Custom Brass, Inc. 800-832-4482; Fax: 802-864-5914 www.conantcustombrass.com Burlington, VT 05401	Custom manufacturing, production, design, restoration, and repair of lighting in all metals to builders'/architects' specs. Also, pendants, chandeliers, and sconces in many finishes and styles; custom weathervanes and finials.	Free Write in No. 620	✔	✔	✔			✔			✔	✔	✔				✔	✔	✔	✔	✔	50%
Concord Lighting Co. 619-275-2303; Fax: 619-275-3860 www.concordlighting.com San Diego, CA 92110	Specialist in high-end European cast and alabaster lighting. Imports from manufacturers in Spain, Italy, and Germany.	Free Write in No. 2882	✔	✔	✔	✔	✔	✔	✔	Alabaster	✔	✔	✔	✔	✔	Floor lamps, torchieres		✔	✔			40%
Conservation Lighting Int'l., Ltd. 215-568-0923; Fax: 215-568-4572 1901 Walnut St., #902 Philadelphia, PA 19103	Full-service company provides glass fibre-optics functional architectural lighting. Engineering, electrical contracting, and architectural history combine with lighting techniques to provide planning, supply, and installation.	Free	✔	✔	✔	✔	✔	✔	✔		✔	✔	✔	✔	✔	Ambient		✔	✔	✔	✔	100%
Copper House 800-281-9798; Fax: 603-736-4921 www.thecopperhouse.com Epsom, NH 03234	Hand-crafted copper & brass lighting, standard & custom, interior & exterior: wall, post, sconces, chandeliers, onion & round globe. Also, copper weathervanes; custom finials. Products use only solid copper & brass, no plated metal.	Catalog $4, deductible with order Call for more information	✔	✔	✔			✔			✔	✔	✔	✔				✔				5%
Corbett Lighting, Inc. 800-CORBETT; Fax: 800-351-6628 2816 Commodore Dr. Carrollton, TX 75007	Decorative lighting products for both indoors and exteriors. Custom design and manufacturing capabilities.	Free								Traditional, transitional	✔	✔	✔	✔		Gas outdoor lanterns		✔	✔	✔		25%
Craft Metal Products 800-669-3254; Fax: 317-545-3288 www.craftmetal.com Indianapolis, IN 46218	Lighting specialist offers planning, design, and craftsmanship in institutional lighting equipment for different budgets and architectural styles; engineering and design services to architects and designers.	Free Write in No. 1021	✔		✔		✔	✔	✔	Gothic, Romanesque, church, contemporary		✔	✔	✔		Ceiling mounts, wall brackets, exterior		✔		✔		90%
Crystal Farm Enterprises 970-963-2350; Fax: 970-963-0709 18 Antelope Rd. Redstone, CO 81623	Source of high-quality, artistically designed antler lighting and furniture.	Free								Antler	✔	✔			✔					✔		100%
Deep Landing Workshop 877-778-4042; Fax: 410-778-4070 140 Bright Meadow Lane Chestertown, MD 21620	Hand-crafted custom lighting fixtures in wood, tin, brass, or copper. Also, a line of Colonial-based designs. Finishes from gold leaf to faux rust.	Free Write in No. 809	✔								✔	✔	✔	✔				✔	✔	✔		60%
Derek Marshall Lighting 603-284-7000; Fax: 603-284-6237 www.derekmarshall.com Center Sandwich, NH 03227	Manufacturer of architectural lighting and lamps.	Free Write in No. 2534									✔	✔			✔					✔		20%
Elcanco, Ltd. 800-423-3836; Fax: 978-392-0870 www.elcanco.com Westford, MA 01886	Hand-crafted electric wax candles, flame-like bulbs, and candlecovers for antique and contemporary lighting applications; consultation available.	Free Write in No. 2040	✔	✔	✔	✔		✔								Electric candles					✔	90%
Fine Architectural Metalsmiths 845-651-7550; Fax: 845-651-7857 www.iceforge.com Chester, NY 10918	Hand-built signature lighting: entry lanterns, foyer chandeliers, and sconces from award-winning studio. Period or fine custom styling in forged iron, coppers, and bronzes. Exotic patinations.	Free Write in No. 2640	✔	✔	✔	✔	✔	✔	✔	Liturgical & signature custom lighting	✔	✔	✔	✔						✔	✔	100%
Fourteenth Colony Lighting 901-272-7007; Fax: 901-272-0365 797 Roland St. Memphis, TN 38104	Manufacturer offers over 30 different sizes of hand-cratfed chandeliers, all made in America.	Free	✔								✔	✔	✔	✔					✔	✔		15%
Glass Illuminations, Inc. 818-556-6777; Fax: 818-556-6778 www.glassilluminations.com Sun Valley, CA 91352	Specialist in lighting etched glass, art panels, and signs. Cove lighting, back lighting, light-wash and light-grazing techniques, all utilizing fiber-optic lighting systems.	Free Write in No. 2813								Contemporary						Fiber-optic lighting systems		✔		✔		50%
Golden Movement Emporium 800-590-3288; Fax: 310-645-8902 www.goldenmovement.com Los Angeles, CA 90045	Classic chandeliers plus solid rosewood mantels and doors.	Free Write in No. 71									✔						✔		✔			5%
Handelman Studios 805-962-5119; Fax: 805-966-9529 www.stevenhandelmanstudios.com Santa Barbara, CA 93103	Traditional hand-crafted iron and brass lighting: outdoor lanterns, chandeliers, wall sconces, table and floor lamps, flush mounts. Custom designs, sizing, hand-applied finishes. Also, firescreens, entry gates, furniture, hardware.	Free Write in No. 483	✔	✔	✔	✔	✔	✔	✔		✔	✔			✔	Floor lamps, flush mounts		✔	✔	✔		40%
Herwig Lighting 800-643-9523; Fax: 501-968-6422 www.herwig.com Russellville, AR 72811	High-quality, hand-crafted original designs since 1908. Cast-aluminum or -bronze, exterior residential, commercial, municipal lighting: wall brackets, pendants, pier- or post-lanterns. Street clocks, posts from 19 in. to 14 ft.	Free Write in No. 9130	✔	✔	✔	✔	✔	✔		Gothic	✔	✔	✔	✔		Ceiling		✔	✔	✔	✔	50%
Historic Preservation & Illumination 609-395-1266; Fax: 609-395-1267 5 Park Place East Cranbury, NJ 08512	Lighting-design services; balance contemporary lighting requirements with sensitivity to the scale, character, and function of each historic space.	Free Write in No. 2897														Lighting design, consultation						100%
Historical Arts & Casting, Inc. 800-225-1414; Fax: 801-280-2493 www.historicalarts.com West Jordan, UT 84088	Designer and manufacturer of lighting, columns and capitals, cornices, railings, fences, newels, planters, finials, street furnishings, and fountains cast in bronze, aluminum, or iron. Restoration and custom work.	Free Write in No. 1210	✔	✔	✔	✔	✔	✔		Gothic, contemporary, traditional	✔	✔	✔	✔	✔	Consultation		✔	✔	✔	✔	100%
Hurley Patentee Lighting 914-331-5414; Fax: Same as phone 464 Old Route 209 Hurley, NY 12443	Authentic 18th century Colonial lighting reproductions, hand-crafted and aged. Custom work available.	Free	✔								✔	✔	✔	✔	✔	Floor lamps			✔	✔		20%
Isaac Maxwell Metal 210-227-4752; Fax: 210-223-6071 P.O. Box 830545 San Antonio, TX 78283	Custom designed punched metal architectural accessories for residences, public buildings, and commercial projects; selections from existing designs. Pieces made by hand, working in copper, brass, and plated copper sheet.	Free Write in No. 2677								Hand-crafted architects designs	✔	✔	✔		✔	Torchieres, hand-crafted design			✔			90%
Justice Design Group 310-397-8300; Fax: 310-397-7170 www.jdg.com Culver City, CA 90231	Hand-crafted, interior and exterior ceramic lighting fixtures; interior sconces and pendants with bisque finish or a variety of custom glazes, faux patinas, and antique finishes.	Free	✔				✔	✔	✔	Contemporary, architectural		✔	✔					✔	✔	✔		15%
Kichler Landscape Lighting 216-573-1000; Fax: 216-573-1003 www.kichler.com Cleveland, OH 44131	Decorative-lighting manufacturer since 1938; exclusive hand-painted finishes and designs. Also, a complete line of 12-volt and 120-volt landscape lighting products and 12-volt exterior lanterns.	Free	✔			✔	✔	✔	✔	Contemporary, transitional	✔	✔	✔	✔	✔	Landscape lighting		✔				0%

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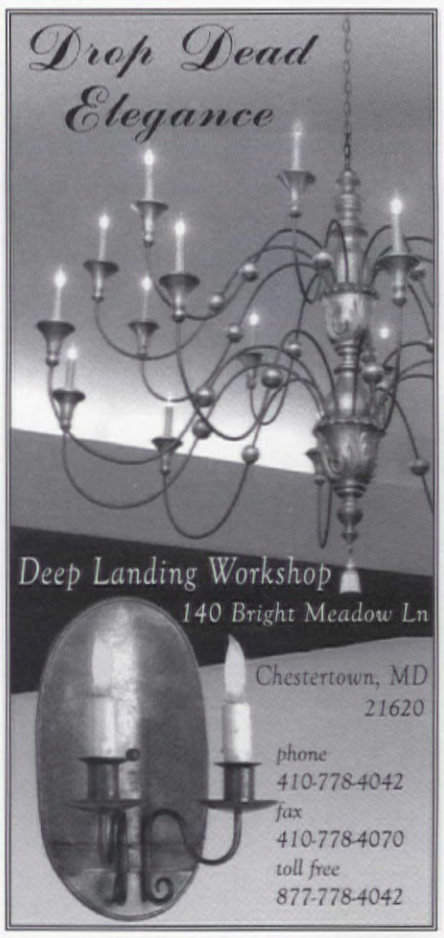

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WRITE IN NO. 2813

TRADITIONAL BUILDING'S INTERIOR LIGHTING *SourceList*

CSI# 16510

COMPILED BY COLE GAGNE

COMPANY	SPECIALTY	Literature	STYLES OF FIXTURES								TYPES OF FIXTURES												
			Early American	Victorian	Turn of the Century	Art Nouveau	Art Deco	Arts & Crafts	Southwestern/Rustic	Other	Chandeliers	Sconces	Pendants	Lanterns	Table Lamps	Other	Antique/Salvage	New Designs	Historic Reproductions	Custom	Restoration	% Custom
King's Chandelier Co. 336-623-6188; Fax: 336-627-9935 www.chandelier.com Eden, NC 27289	Designer/manufacturer of 17th-, 18th-, and 19th-century chandeliers and sconces: traditional all-crystal and Victorian gas reproduction fixtures.	Free Write in No. 5280		✔						18th-century crystal	✔	✔				Candelabra		✔	✔	✔		10%
Larry Etzen Studio 816-523-3978; Fax: 816-523-5782 P.O. Box 22341 Kansas City, MO 64113	A custom fabricator of large art-glass light fixtures with matching, backlit, art-glass dome ceilings.	Free Write in No. 1267		✔	✔	✔					✔	✔	✔					✔		✔		90%
Lighting by Hammerworks 508-755-3434; Fax: Same as phone www.hammerworks.com Worcester, MA 01603	Reproduction Colonial lighting: chandeliers; wall sconces; wall, post, & hanging lanterns; made in copper, brass, & tin; gas-burning exterior lighting; new Arts & Crafts line. Also, hand-forged door hardware, shutter hinges & dogs.	Free Write in No. 5090	✔					✔	✔		✔	✔	✔	✔				✔	✔	✔		3%
Lights Of Distinction/Crystorama 516-931-9090; Fax: 516-931-1254 www.crystorama.com Westbury, NY 11590	Traditional-lighting resource with product releases of alabaster, bronzes, cast lanterns, billiard lights, and crystal chandeliers.	Free Write in No. 1370		✔	✔		✔				✔	✔	✔	✔				✔	✔	✔		20%
Lite Makers, Inc. 718-729-7700; Fax: 718-784-1219 43-49 10th St. Long Island City, NY 11101	Manufacturer of custom lighting; also a member of the Federal Landmark Restoration for complete restoration (historical) lighting products.	Free	✔	✔	✔	✔	✔	✔	✔		✔	✔	✔	✔			✔	✔	✔	✔	✔	100%
Lucid Lighting 609-397-9581; Fax: 609-397-3889 www.lucidlighting.com Lambertville, NJ 08530	Designer/manufacturer of chandeliers, sconces, table lamps, and floor lamps sympathetic with traditional interiors; 30 styles. Sells directly to professionals and homeowners; wide range of customized finishes. UL listed.	Free Write in No. 3111									✔	✔			✔	Floor lamps		✔		✔		25%
Luminaria Lighting 800-638-5619; Fax: 509-456-8298 www.luminarialighting.com Spokane, WA 99201	Extensive selection of antique light fixtures; hundreds of chandeliers, sconces, and table lamps in styles including Early Electric, Arts & Crafts, and Art Deco. Original reproductions finished to spec.	Free Write in No. 336		✔	✔		✔	✔			✔	✔	✔	✔	✔	Newel post	✔	✔	✔	✔	✔	40%
Mica Lamp Co. 0.8-241-7227; Fax: 818-241-5439 www.micalamps.com Glendale, CA 91203	Reproductions of Turn-of-the-Century American- and European-style lighting in copper and mica. Attention to detail includes copper rivets and rich patina finishes. Also, white oak, cherry, art glass, hammered copper.	Free Write in No. 5870			✔						✔	✔	✔	✔	✔				✔	✔	✔	10%
Naos Forge, Inc. 661-273-5851; Fax: 661-273-5852 www.naosforge.com Palmdale, CA 93550	Studio produces custom hand-forged furniture, lighting, and accessories.	Free Write in No. 2913																		✔		90%
New Metal Crafts 312-787-6991; Fax: 312-787-8692 812 North Wells St. Chicago, IL 60610	Custom lighting for commercial and residential. Experience in all metals, styles, and finishes. Large collection of European antiques and reproductions.	Free Write in No. 2512	✔	✔	✔	✔	✔	✔	✔		✔	✔		✔			✔		✔	✔	✔	50%
New York Gas Lighting Co. 212-529-2651; Fax: 212-529-7811 195 Bowery New York, NY 10002	Since 1911, one of New York's oldest lighting inventories. Solid brass, bronze, crystal, & porcelain chandeliers, lanterns, sconces, table & floor lamps. High-quality European-style exterior lighting for electric or gas applications.	Free Write in No. 5380									✔	✔		✔	✔	Floor lamps				✔	✔	20%
Newstamp Lighting Co. 508-238-7071; Fax: 508-230-8312 www.newstamplighting.com North Easton, MA 02356	Indoor and outdoor lighting fixtures in all styles in copper, brass, and terne metal. All energy sources, including gas. Catalog available for Colonial-style fixtures and lanterns; restoration and reproduction.	Free Write in No. 800	✔							Nautical		✔	✔	✔				✔	✔	✔	✔	50%
NYCK, Inç. 212-967-9119; Fax: 212-967-9009 344 W. 38th St. New York, NY 10018	Design and manufacture of custom architectural lighting and related metal fabrication in bronze, stainless steel, brass, and aluminum.	Free Write in No. 2663	✔			✔	✔		✔	Custom architectural	✔	✔	✔	✔	✔			✔	✔	✔	✔	100%
Olde Mill Lighting Co. 717-299-2512; Fax: 717-299-5822 105 Strasburg Place Lancaster, PA 17602	Handcrafted Early American, country, and primitive lighting fixtures for the residential and commercial market. Reproduction chandeliers, foyer and hall lights, outdoor post and wall lamps, as well as sconces. Aged tin, brass, and copper.	Free Write in No. 2664	✔								✔	✔	✔	✔				✔	✔	✔		10%
Original Cast Lighting 314-863-1895; Fax: 314-863-3278 www.theocl.com Saint Louis, MO 63112	Reproduction interior lighting fixtures in a variety of classic styles; commercial and residential. Also, restores select antique fixtures for a variety of projects, and retrofits with energy-efficient lamps.	Free Write in No. 4360				✔	✔					✔	✔			Flush mounts	✔	✔	✔	✔	✔	100%
Otteson Co. 972-317-3120; Fax: 972-317-2812 P.O. Box 293060 Lewisville, TX 75029	Glass lighting shades, principally from Vianne in France. Large stock ready for shipment; works on custom projects.	Free Write in No. 1045														Glass shades						10%
Pecaso Lighting, Inc. 718-599-4579; Fax: 718-963-2868 395 Wythe Ave. Brooklyn, NY 11211	Hand-crafted chandeliers in firm's designs or your own custom design; also, authentic reproductions of historic designs. The most densely clustered crystal patterns in the industry.	Free Write in No. 2688		✔	✔	✔	✔				✔	✔	✔			Historic reproduc-tions, new designs, custom		✔		✔		10%
Period Lighting Fixtures, Inc. 800-828-6990; Fax: 413-664-0312 www.periodlighting.com Clarksburg, MA 01247	Handmade 18th- and 19th-century chandeliers, sconces, and lanterns. Aged tin, oxidized copper-, natural copper-, and pewter-finishes. Exterior and interior lanterns; many made under license from Historic Deerfield and Williamsburg.	Free Write in No. 301	✔								✔	✔		✔	✔			✔	✔		✔	10%
Rejuvenation Lamp & Fixture Co. 888-343-8548; Fax: 800-526-7329 www.rejuvenation.com Portland, OR 97210	Manufactures Victorian, Arts & Crafts, Colonial Revival, Art Deco, and Neoclassic solid-brass reproduction lighting. Over 280 authentic interior & exterior fixtures, 11 finishes; custom capabilities for all types of construction.	Free Write in No. 7630		✔	✔			✔			✔	✔	✔	✔	✔				✔	✔	✔	N/A
Renaissance Antique Lighting 401-849-8515; Fax: Same as phone www.antique-lighting.com Newport, RI 02840	Antique and reproduction lighting; restoration; custom, historic, commercial, and museum work.	Free Write in No. 2885		✔	✔	✔	✔	✔			✔	✔	✔	✔	✔		✔	✔	✔	✔	✔	50%
Roy Electric Co. 800-366-3347; Fax: 908-317-4629 www.westfieldnj.com/roy Westfield, NJ 07090	New full-product color catalog features 274 Victorian and Turn-of-the-Century lighting fixtures: sconces, pendants, flush fixtures, glass shades. Also offers custom capabilities, restoration, and antique fixtures.	Free Write in No. 430	✔	✔	✔	✔	✔	✔			✔	✔	✔	✔	✔	Floor lamps	✔	✔	✔	✔	✔	20%

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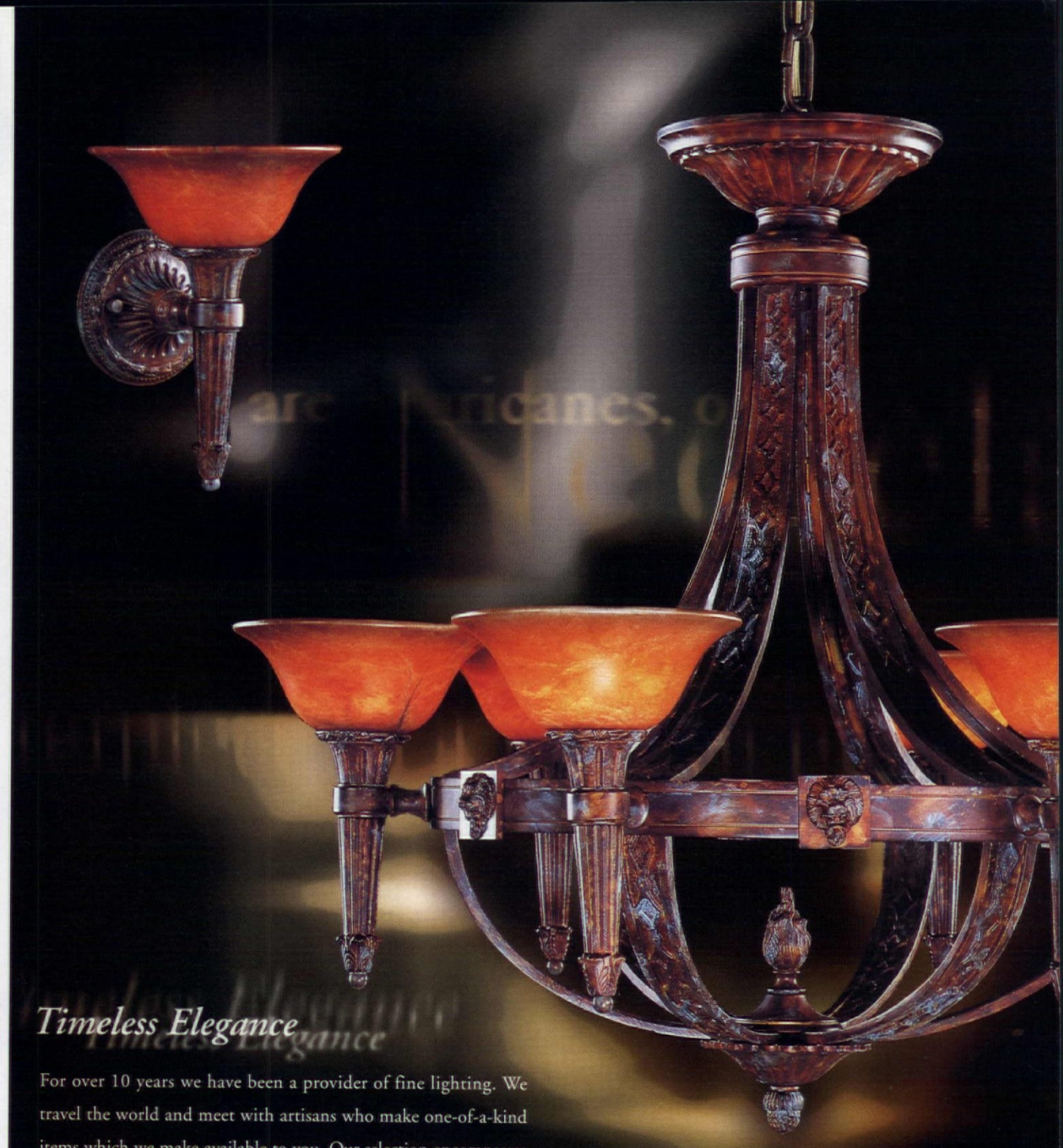

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WRITE IN NO. 620 FOR LIGHTING & 5050 FOR METALWORK

TRADITIONAL BUILDING'S INTERIOR LIGHTING *SourceList*

CSI# 16510

COMPILED BY COLE GAGNE

COMPANY	SPECIALTY	Literature	STYLES OF FIXTURES								TYPES OF FIXTURES											
			Early American	Victorian	Turn of the Century	Art Nouveau	Art Deco	Arts & Crafts	Southwestern/Rustic	Other	Chandeliers	Sconces	Pendants	Lanterns	Table Lamps	Other	Antique/Salvage	New Designs	Historic Reproductions	Custom	Restoration	% Custom
V. Michael Ashford Evergreen Studios 360-352-0694; Fax: Same as phone www.evergreenstudios.com Olympia, WA 98512	Designer and fabricator of Arts & Crafts style hand-hammered copper and mica table & floor lamps, chandeliers, wall sconces & interior and exterior lanterns. Stock designs; custom commissions.	Free Write in No. 5030						✔			✔	✔	✔	✔	✔			✔	✔	✔	✔	50%
Victor S. Pearlman, Inc. 877-242-6335; Fax: 847-639-1640 www.vspearlman.com Fox River Grove, IL 60021	Maker of bronze and crystal, large-scale chandeliers, commercial and residential.	Free Write in No. 926								Louis XIV	✔	✔		✔		Brackets			✔	✔		80%
Victorian Lighting Works 814-364-9577; Fax: 814-364-2920 www.vlworks.com Centre Hall, PA 16828	Authentic reproductions of Victorian chandeliers and sconces in solid brass. Custom work accepted.	Free Write in No. 3730		✔	✔						✔	✔						✔	✔	✔		25%
Wiemann Ironworks 918-592-1700; Fax: 918-592-2385 www.wiemanniron.com Tulsa, OK 74104	Since 1940, award-winning firm designs, fabricates, and installs fine forged architectural and ornamental metalwork for national market; residential/commercial; custom finishes; CAD services.	Free Write in No. 1223																✔	✔	✔	✔	90%
Wilder & Co. 508-945-1659; Fax: 508-945-1739 www.capecodlanterns.com North Chatham, MA 02650	Hand-crafted copper and brass lighting: wall lights, post lanterns, sconces, chandeliers, and landscape lighting.	Free	✔					✔			✔	✔	✔	✔	✔		✔	✔	✔	✔	✔	60%
Wilshire Manufacturing Co. 800-443-4695; Fax: 508-822-7046 www.wilshiremfg.com Taunton, MA 02780	Manufacturer of deocorative lighting products for both residential and commercial markets. Design and fabricate custom lighting to meet design specs. Catalog of thousands of items.	Free Write in No. 2675	✔		✔					Custom	✔	✔	✔		✔			✔		✔		40%
Woolen Mill Fan Co. 717-382-4754; Fax: Same as phone www.architecturalfans.com New Park, PA 17352	Studio reproduces early fan designs as well as some original designs; belt-and-pulley models, as well as beltless single-motor units; choice of iron, bronze, or aluminum castings. Mahogany blades.	Free Write in No. 316														Ceiling fans						5%
Yankee Barn Wholesale 914-794-7299; Fax: 914-794-7549 www.yankeebarn.com Forestburgh, NY 12777	Large selection of Victorian-style glass shades, brass bases, and replacement components for Victorian fixtures.	Free	✔	✔	✔	✔	✔	✔							✔				✔	✔	✔	100%

INTERIOR LIGHTING PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 188-194.

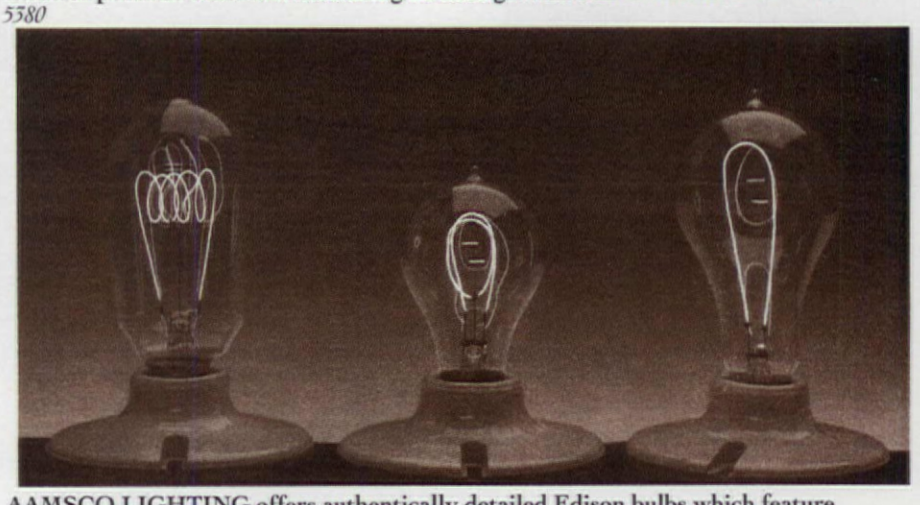
Branching out from its specialty of Colonial-style lighting, AUTHENTIC DESIGNS created wood and brass chandeliers for a Victorian Gothic church in New England — and custom colored and gilded them to match the church's organ pipes. *Write in No. 60*

The two-armed wall sconce #3227 from NEW METAL CRAFTS features a French gold finish with cobalt blue glass accents, and measures 12 in. high x 12 in. wide, with a 10-in. extension. *Write in No. 2512*

Along with its gas-burning fixtures, NEW YORK GAS LIGHTING also offers an array of electric lighting, such as this 8-light chandelier, #130/8, available in pewter finish or polished brass and measuring 23 in. high with a 28-in. diameter. *Write in No. 5580*

This eight-arm chandelier, #CH-8000 from DEEP LANDING WORKSHOP, features a "bird cage" twist. *Write in No. 809*

NYCK, INC., fabricated this custom "Faberge Egg" chandelier for ANA Grand Court Hotel in Nagoya, Japan. *Write in No. 2663*



AAMSCO LIGHTING offers authentically detailed Edison bulbs which feature looped carbon filaments. *Write in No. 2240*

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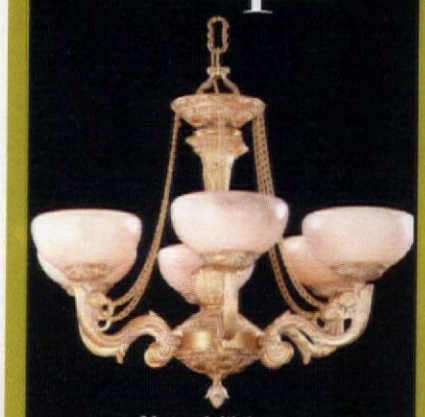
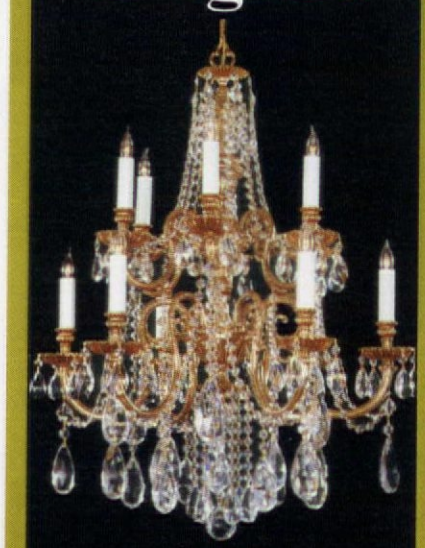


Natural Alabaster
No. 956 W30" H28"
French White or Bronze
Optional Sizes

Simply Elegant



Cast Brass
No. 2712 W26" H32"
Swarovski Crystal

Crystorama Lighting

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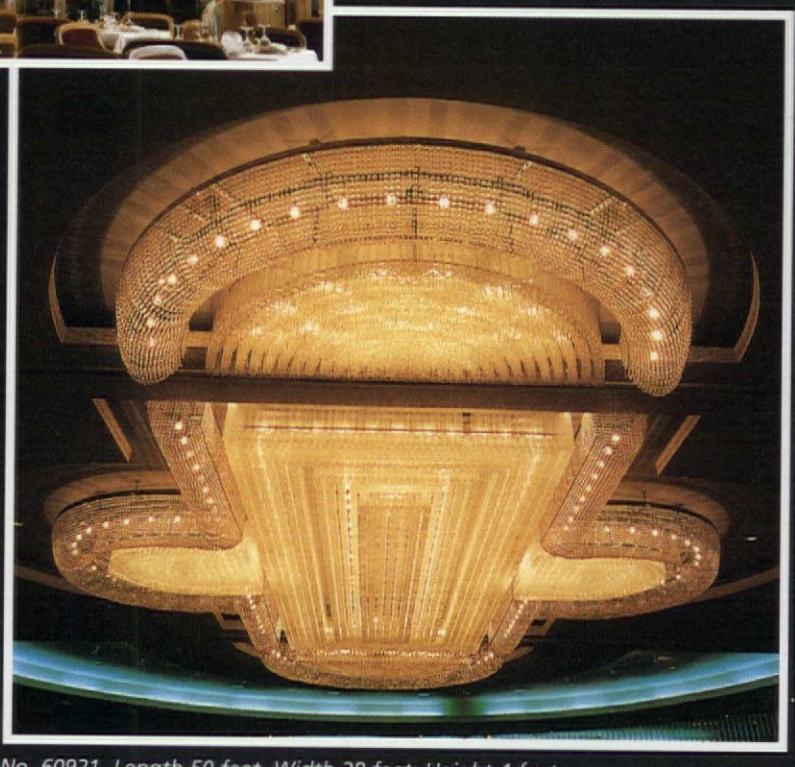
New Metal Crafts.. your ultimate lighting source

No. 1439/W Ht. 38", Width 30"
All cast polished brass.

No. 57467 Width 6', Height 3'
Designer: Dale Lanvit, ASID
The Carlton Club, Ritz Carlton, Chicago



No. 60921 Length 50 feet, Width 28 feet, Height 4 feet..
288 lights. Swissotel. Designer: Merchant Associates

■ New Metal Crafts is your ultimate lighting source. Over the past 60 years we have developed artisan skills first learned in Europe and developed here so that we have a talented team of craftsmen and designers that are sensitive to your needs and can express them in cast, wrought and fabricated bronze, brass, copper, iron and steel and then combine them with crystal, glass, resins, plastics and other materials to meet your design specifications.

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St. Johns Seminary Restoration

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Restoration, reproduction & repairs on all types of lighting.
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Fax: 212-529-7811

WRITE IN NO. 5380

INTERIOR LIGHTING PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 188-194.

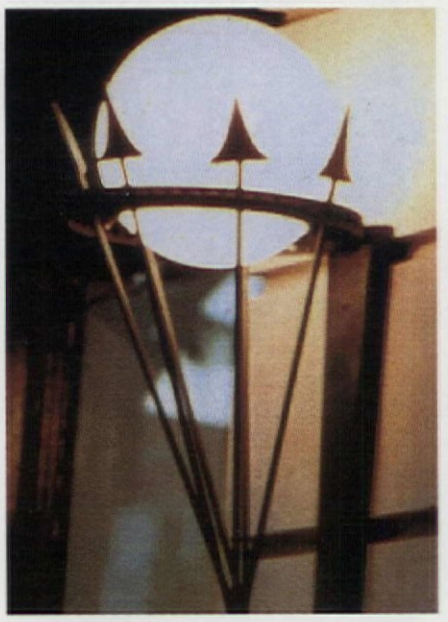
This solid-brass five-light chandelier, #C22E5 from VICTORIAN LIGHTING WORKS, is shown here with etched-glass shades #SE24. *Write in No. 3730*

The grand chandelier from MICA LAMP COMPANY has a 34-in. diameter and has been used in commercial applications from restaurants and cinemas to the Dallas World Trade Center. *Write in No. 5870*

This ornate, two-candle sconce is one of over 250 original designs of handmade period light fixtures offered by STEVEN HANDELMAN STUDIOS. *Write in No. 483*

The "Parisian Collection" of reproduction 19th-century lanterns from LIGHTS OF DISTINCTION/CRYSTORAMA includes this model, with a polished brass finish and hand-rubbed brown patina highlights. *Write in No. 1370*

Working from historical photos, HISTORICAL ARTS & CASTING created this replication chandelier in cast aluminum for the St. George Tabernacle in St. George, Utah. *Write in No. 1210*



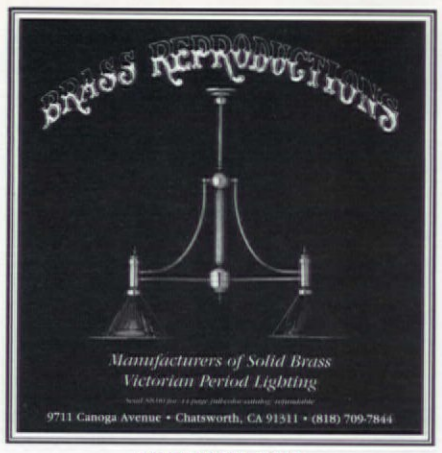
This new wall-bracket design from CAPITOL LIGHTING is fabricated of wrought iron with an acrylic sphere resting on a support ring. *Write in No. 2809*

The three-light Strass Sconce from KING'S CHANDELIER CO., item #3DFP/6, features double festoons and large accent pendalogues. *Write in No. 5280*

LUMINARIA designed and fabricated all the custom light fixtures for the restaurant of the Grand Union Hotel, a late-19th-century building restored and reopened in 1999. *Write in No. 336*

NEWSTAMP LIGHTING supplied custom pendants for the Function Hall of Temple Israel in Sharon, Mass. *Write in No. 800*

ARTE DE MEXICO offers over 500 different interior and exterior lighting fixtures in hand-forged wrought iron. *Call (818) 753-4559 for more information.*



WRITE IN NO. 2642

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WRITE IN NO. 1210

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18th & 19th C.

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Wall Mounted Lantern
Historic Deerfield
Deerfield, MA early 19th C.

Meticulously Made
Using Original Methods

Post Lantern w/ oil Font.
Made by Binney & Co.
Boston, MA c. 1862
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WRITE IN NO. 2040

INTERIOR LIGHTING PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 188-194.

Craftsman-style lighting, such as the #916 flat-top table lamp, is the specialty of V. MICHAEL ASHFORD. *Write in No. 5050*

Hand-blown Venetian glass pendants from GLOBAL LIGHTING shown here are, from left, Classic, Sultano, Canale, and Doge styles.

Neo-classic lighting fixtures, like the model 1990-1 shown here, which is hand-crafted in solid brass and features hand-blown French opal glass, can be obtained from CLASSIC ILLUMINATION. *Write in No. 5970*

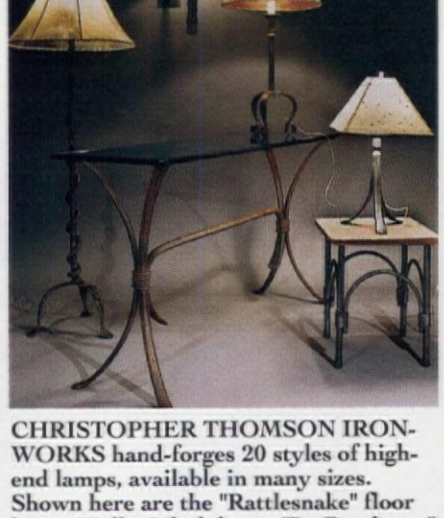
The new Maria Theresa crystal chandeliers from SCHONBEK reinterpret an 18th-century classic and are available in many sizes, including oversized custom chandeliers. *Write in No. 3002*

LITE MAKERS fabricated this pendant fixture for the Metropolitan Museum of Art in New York.

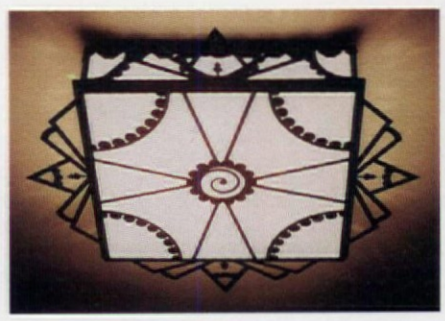
KICHLER LIGHTING fixture #2713 with a "Tuscan Gold" finish measures 16 in. dia. with a body height of 13 in. It is UL-listed for damp locations.

The dizzyingly ornate, 20-light "Hanging Sconce," Model Nine from VICTOR S. PEARLMAN, is made of solid brass and crystal, weighs 250 lbs., and measures 6 ft. tall with a maximum diameter of 18 in. *Write in No. 926*

ORIGINAL CAST LIGHTING offers the Halos Series, which includes this pendant fixture, #HLN-329E-DP1, made of spun aluminum and acrylic. *Write in No. 4360*



CHRISTOPHER THOMSON IRONWORKS hand-forges 20 styles of high-end lamps, available in many sizes. Shown here are the "Rattlesnake" floor lamp, "Valley" desk lamp, "Le Dordogne" bedside lamp, and a hinged wall sconce. *(photo: Herb Lotz) Write in No. 237*



This imaginatively styled, custom ceiling fixture was fabricated by CONANT CUSTOM BRASS. *Write in No. 620*

The hand-crafted and -dripped "Morelite" electric wax candle from ELCANCO, LTD., does not require a transformer; instead, it uses conventional household voltage and accepts regular candelabra-base bulbs. *Write in No. 2040*

Lighting restoration at AURORA LAMPWORKS includes such painstaking work as reconstructing this two-colored glass chandelier with original and replacement crystals. *Write in No. 517*

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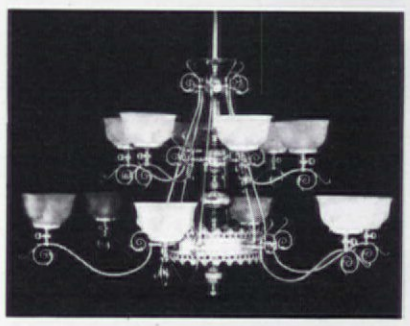

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INTERIOR LIGHTING PORTFOLIO

For full contact information on these companies, consult the SourceList on pp. 188-194.

The eight-light chandelier #J1294 from ACADEMY LAMPS measures 30 in. wide x 16 in. high. *Write in No. 923*

The new Arts & Crafts line of wall sconces available from LIGHTING BY HAMMERWORKS includes item #ACS 304, hand-hammered from 1/8-in.-thick solid copper. *Write in No. 5090*

Formed from hand-forged iron and kiln-bent white opal glass, the Iron Ginko wall sconce from DEREK MARSHALL LIGHTING measures 10 in. wide x 12 in. tall and has a 4-in projection. *Write in No. 2534*

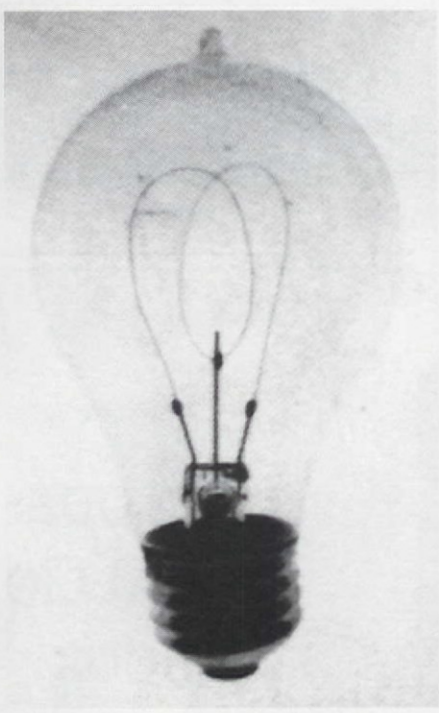
Vianne cased shades from OTTESON COMPANY, such as the #277 shown here, have a triplex construction consisting of an outer layer of colored glass, a thin inner layer of clear glass, and a white layer sandwiched in the middle. *Write in No. 1045*

Griffins support the hand-carved alabaster bowl float lamps of this chandelier, #18782 from CONCORD LIGHTING, measuring 81 in. x 82 in. *Write in No. 2882*

PECASO LIGHTING creates custom chandeliers using such materials as Czech hand-cut crystals and components of gold, brass, or other designated metals. *Write in No. 2688*

This double-arm candelabra wall sconce from BRASS LIGHT GALLERY, reproduced from a 1920 original, features Adamesque finials with tight pantry-cock curved arms which show a subtle English influence. *Write in No. 8890*

REJUVENATION LAMP & FIXTURE CO. offers the 27-in.-dia. "Madison Avenue" large bowl-shade fixture, which is typical of lighting that was widely installed in public and commercial buildings from the early teens to the 1930s. *Write in No. 7630*



Along with their line of period-style light switches and cover plates, CLASSIC ACCENTS also offers carbon-filament Victorian-style bulbs, both 30 watt (#LB8) and 60 watt (#LB16). *Write in No. 4850*

The five-light chandelier #1505 from ST. LOUIS ANTIQUE LIGHTING, shown here with #S215E shades, measures 36 in. high x 22 in. wide. *Write in No. 6190*

A wealth of restored, vintage lighting fixtures, such as this 1870s gas sconce, can be found at RENAISSANCE ANTIQUE LIGHTING. *Write in No. 2885*

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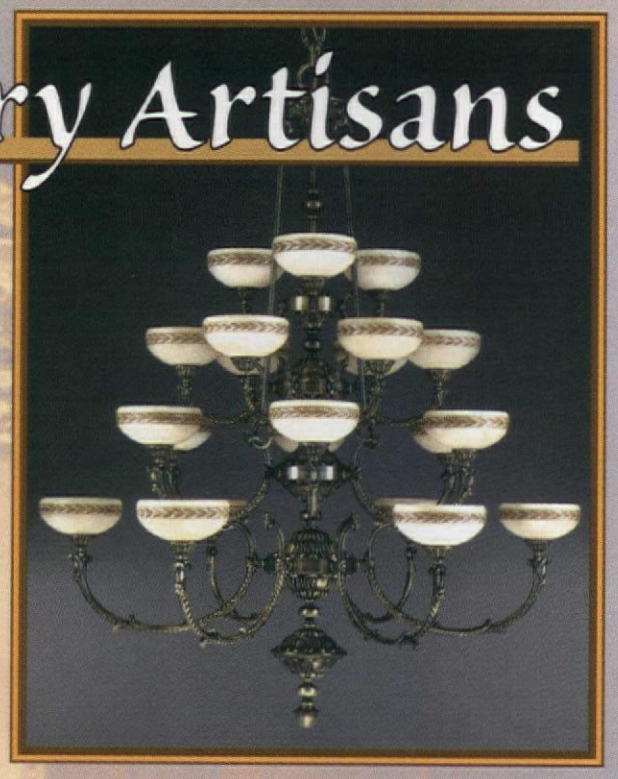

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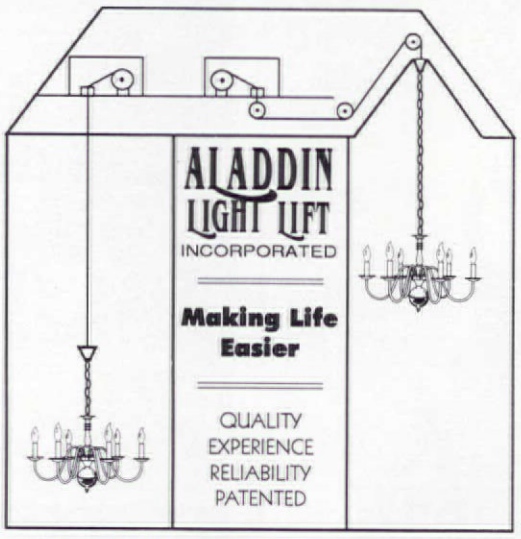

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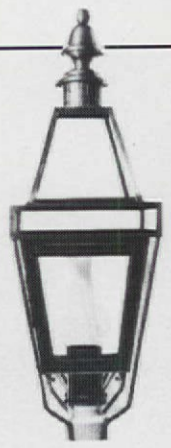

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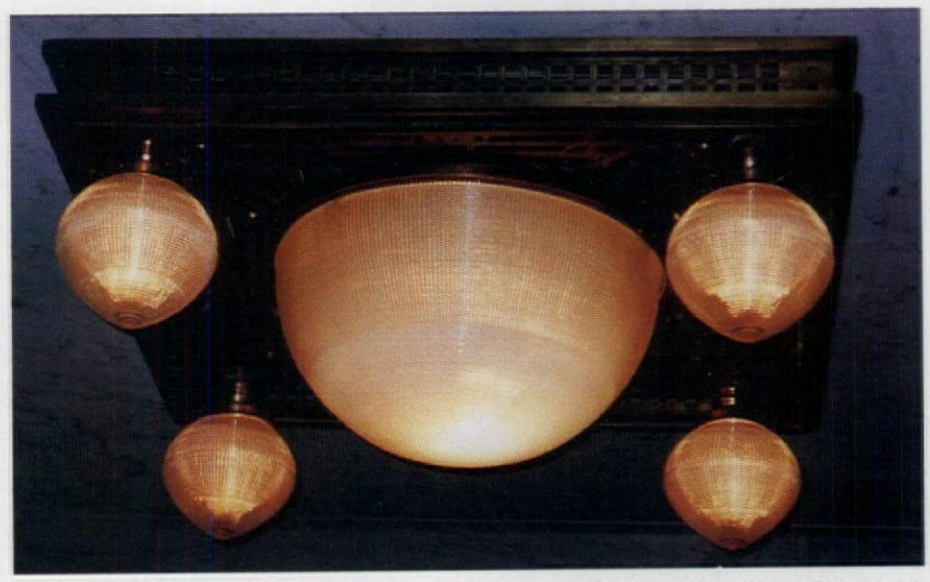

BALL & BALL made six copies of the original Frank Lloyd Wright lighting fixtures in Chicago's Rookery office building. The one shown here was modified so it could be mounted flush to the ceiling. *Write in No. 7660*

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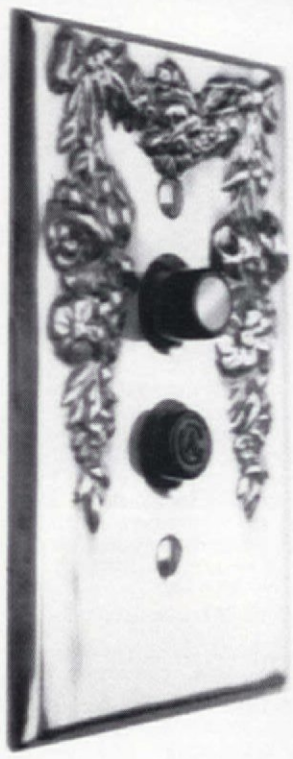

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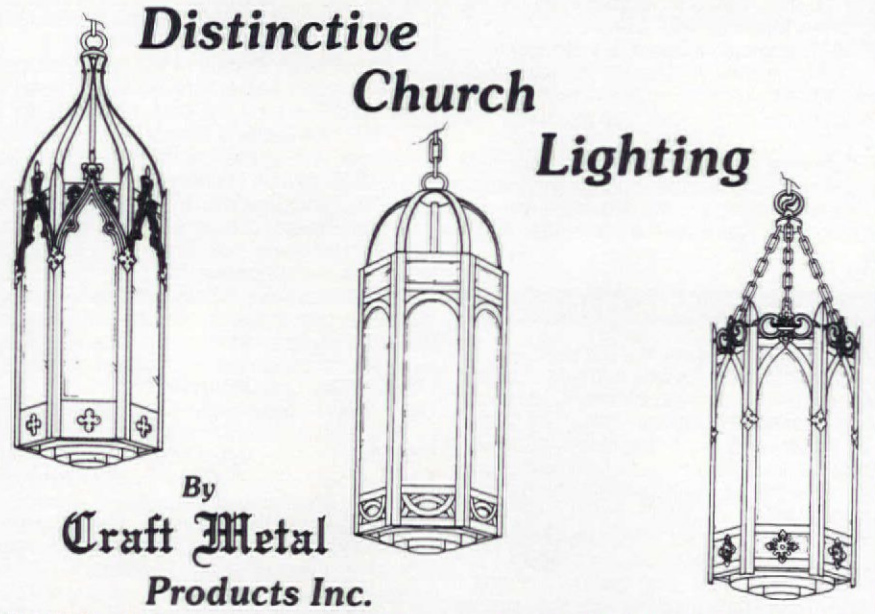

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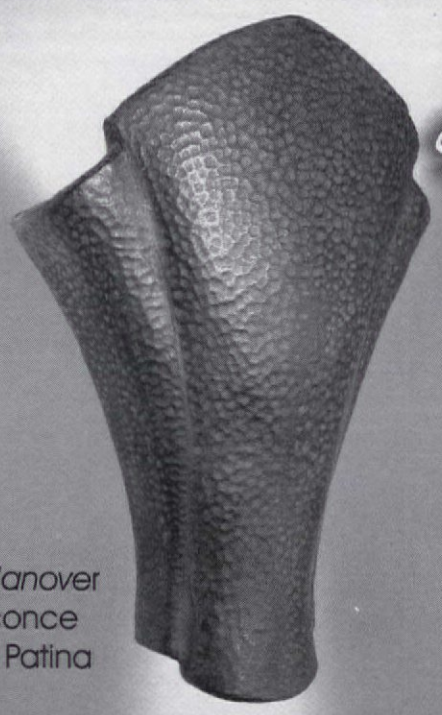

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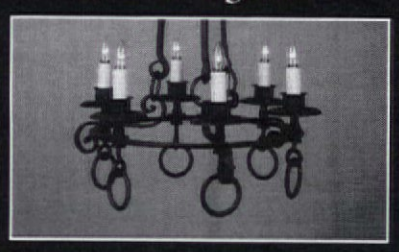

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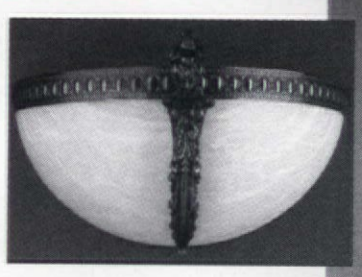

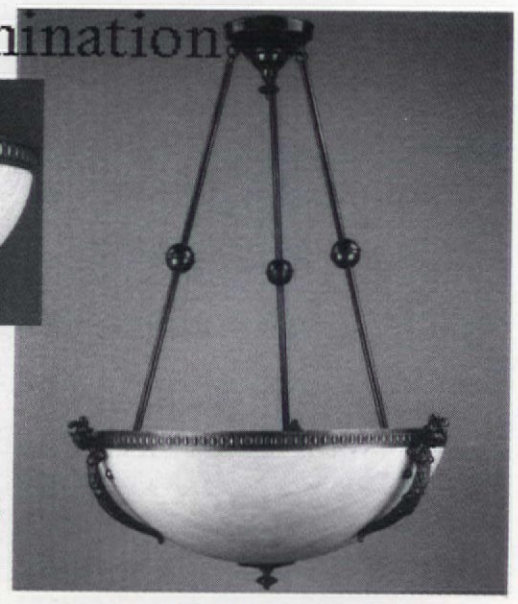

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Timberlane Woodcrafters . . . . www.timberlane-wood.com
Timeless Timber . . . . . www.timelesstimber.com
Towne House Restorations . . . . . www.caststone.org/thr
Tremont Nail Co. . . . . www.tremontnail.com
UltraGlas . . . . . www.ultraglas.com
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. . . . . www.evergreenstudios.com
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Vintage Log & Lumber . . . . . www.vintagelog.com
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W.H. Coe . . . . . www.whcoe.com
Wagner Foundry . . . . . www.wagnerfoundry.com
Wausau Tile . . . . . www.wausautile.com
White River Hardwoods-Woodworks . . www.mouldings.com
Wiemann Ironworks . . . . . www.wiemanniron.com
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Woodstone Co. . . . . www.woodstone.com
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per, brass, and plated copper sheet. **Maxwell Metal**

9520. Stamped/Pressed Sheetmetal — Fabricator of stamped/pressed sheetmetal, reproductions from samples or drawings. Free brochure. **Michigan Ornamental Metals**

2740. Custom Metal Fabrication — including stair rails, lobbies, facades, and commercial settings. Free brochure. **Mison Concepts, Inc.**

6060. Radiator Enclosures — Direct-from-the-factory all-steel radiator enclosures. Choose from many styles and colors, including wood grains. Free brochure. **Monarch**

2689. Custom Wrought Iron — Specialist in custom wrought-iron furniture, accessories, and drapery rods and hardware. **Morgik Metal Designs**

1220. Ornamental Stamped Metal — Decorative stamped metal leaves, flowers, ornament, and trim. Free brochure. **Morrow Co.**

229. Hand-Forged Ornamental Metal — Gates, fencing, and ornamental metalwork in iron, bronze, or any ductile material. **Mueller Ornamental Iron Works, Inc.**

5170. Metal-Fabricators Assoc. — Provides member lists for specific geographical areas. Also publishes brochure of driveway-gate designs. Free brochure. **NOMMA - Nat'l. Ornamental & Misc. Metals Assn.**

2913. Hand-Forged Metalwork — Studio produces custom hand-forged furniture, lighting, and accessories. **Naos Forge**

3051. Metal Railings — Custom fabrication and installation of railings in stainless steel, hand-forged steel, and more. **New Star Brass & Bronze**

332. Wrought-Iron Fixtures & Furnishings — Gateways, stairways, grilles, and custom ornamental iron. **Old World Iron**

5430. Ornamental-Metal Consultation — Seminars on appearances, uses, and characteristics of ornamental metal. Free literature. **Ornamental Metal Institute of NY**

2793. Ornamental Metal — Railings, grilles, fences, gates, and garden elements. Free brochure. **Ornamental Steel Designs Inc.**

898. Ornamental Ironwork — Studio produces hand-forged ironwork, with gates, railings, grilles, and lighting fixtures a specialty. **R. Walsh Gate & Railing**

5810. Brass & Iron Registers — Beautiful solid-brass and cast-iron registers are based on 19th- & early-20th-century originals. Free catalog. **Reggio Register Co.**

2518. Stamped Grilles — Decorative bar grilles stamped from aluminum, brass, or steel; wide selection of colors and patterns. **Register & Grille Mfg. Co.**

3032. Artist/Blacksmith — Forge produces hardware, sculpture, and custom metalwork. **Saari Metal Studio**

7730. Foundry, Forge & Fabrication — Custom and restoration architectural metalwork, as well as work in glass, stone, & FRP. Free brochure. **Schiff Architectural Detail**

3056. Iron Components — Source for decorative iron components and finishing details for metalwork. Visit the website: www.decorativeiron.com. **Steel Supply**

470. Cast-Iron Staircases — The Kensington revives tradition of using cast iron for straight porch steps. Modular components; bolt-together assembly. Also, circular stairs. Complete catalog. **Steptoe & Wife**

3148. Metal Foundry — Working in cast iron, aluminum, and bronze, this foundry fabricates a wealth of metalwork, from fountains and garden furniture to signage, bollards, fences and gates, columns, and cresting. **Talladega Foundry**

5180. Cast-Iron & Aluminum Ornaments — French, Spanish, and Victorian scrolls, rosettes, cresting, finials, and gates. Free brochure. **Tennessee Fabricating Co.**

7212. Fabricated Metal — Custom copper finials, weathervanes, roof ornaments, cornices, leader boxes, etc. Restoration of copper & slate roofs. Consultation; free literature. **Vulcan Supply**

1062. Sand & Lost Wax Casting — Historical, memorial, and directional plaques; sculpture and art casting in bronze, brass, and aluminum. **Wagner Foundry**

1243. Custom Castings — Architectural and ornamental castings in aluminum, bronze, and iron. Small runs a specialty. **Wemco Castings**

1223. Wrought Metalwork — Family-run studio produces fences, gates, balustrades, and more for residential and commercial applications. **Wiemann Iron Works**

DIV 6 WOOD & POLYMERS

818. Embossed Wood Moldings — All species of hardwoods embossed for cabinetry, frames, furniture, and architectural uses. **A. Lewis Manufacturing Co.**

6780. Interior Woodwork — Prime source for embossed moldings, stairs, casework, detailed cornices, chair rails, and paneling in fine hardwoods like walnut, oak, cherry, and mahogany. Free brochure. **ACMI, Inc., Moulding & Millwork**

1060. Architectural Stairs — Interior or exterior custom-built straight, curved or spiral staircases in any wood species. 10 rail profiles and 25 baluster styles. Free literature. **AJ Stairs**

1300. Wood Restoration — Two-part epoxy system restores rotted wood; saves historically significant and hard-to-duplicate pieces. Repairs can be sawn, drilled, sanded, and painted. Free brochure. **Abatron**

90. British Master Wood Carvers — Fine, hand-carved traditional wood ornament for mantels, architecture, and furniture. Free brochure. **Agrell & Thorpe**

1282. Library Ladders — Rolling-track hardwood ladders. Variety of hardware and finish options. **Alaco Ladder**

Custom Casts & Molds — Sculptor repairs, reproduces, casts, and molds elements in materials including GRG, plaster, and polymers. Call: 901-323-8717. **Archicast**

1470. Cast Architectural Elements — Specialist in design and production of columns, balustrades, pool coping, pavers, stairs treads, moldings, wallcaps, and mantels. Free brochure. **Architectural Facades Unlimited**

6400. FRP Ornaments — Molded-fiberglass replicas of exterior ornaments originally made in other materials. Projects include cornices, balconies, balustrades, and planters. Free literature. **Architectural Fiberglass Corp.**

6490. Paneling, Casework, Carving — Architectural casework, mantels, paneling, and deep-sculpted moldings: Free flyer. **Architectural Paneling**

6130. Molded Architectural Ornament — Manufacturer and installer of cast decorative elements for exterior and interior. Wide variety of materials. Free brochure. **Architectural Reproductions**

2639. Custom Stairs & Handrails — All types of wood stairs, straight and curved. Specialist in the design, fabrication, and installation of curved handrails from blocks of wood. **Architectural Stairbuilding**

592. Custom Timber Frames — Design, consultation, and installation of post-and-beam frames. Free brochure. **Architectural Timberworks**

7260. Molding Materials — Glass-fiber-reinforced modified gypsum system for interior or exterior ornament. Simple to use, non-toxic, and lightweight, with short mold cycles. Free brochure. **Ball Consulting, Ltd.**

521. Specialty Lumber Products — Mill offers Western red cedar shakes and shingles, including tapersawn and Victorian fancy cuts. Also, tongue-and-groove flooring. Free brochure. **Bear Creek Lumber**

3141. Wood Carving — Custom decorative wood carving. Free brochure. **Bellas Artes, Inc.**

1580. Fiberglass Columns — Wide selection of architectural fiberglass columns. Ready to prime and paint, easy to install, maintenance-free. Plain or fluted; interior or exterior. **Chadsworth's 1.800.Columns**

180. Classic Wood Columns — Full line of architectural wood columns: authentic replication to stock in variety of sizes, designs, and wood species. Interior & exterior; round, square, octagonal. Custom work. **Chadsworth's 1.800.Columns**

106. Timber Framing — Work on new and antique timber frames; restoration of antique post-and-beam construction. New homes, commercial buildings, and other timber-frame structures. **Chestnut Oak Co.**

995. Hand-Hewn Buildings — Nineteenth-century-style log cabins, barns, and more. Wholesale to the trade. **Country Settings**

5270. Heavy Timbers — Pine, hemlock, and oak timbers up to 26 feet. Pine pattern stock, grade-stamped timbers. Free brochure. **Cowls, Inc.**

1310. Victorian Millwork — 19th-century designs in solid oak and poplar: fretwork, brackets, corbels, grilles, turnings, and gingerbread. Also, molded-polymer architectural elements. Free brochure. **Cumberland Woodcraft**

2649. Stairs — Source of wood stairs and railings. Free brochure. **Danbury Stairs Corp.**

1107. Custom Stairbuilders — Straight, curved, circular, and spiral stair systems. Free brochure. **Deer Park Stairbuilding & Millwork**

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5770. Carved Wood Elements — Architectural accoutrements, including mantels, sculpted in solid woods. Your designs executed or select from large array of stock elements. Free brochure. **Raymond Enkeboll**

8210. Columns & Turnings — Moldings, curved crowns, porch posts, capitals, and carvings. Fluting, spiral, and rope twist. Turned & stavework columns. Free brochure. **Fagan Design & Fabrications**

4780. Custom Spiral Stairs — Spiral and curved stairs are custom-built to your specifications. Available in welded steel or solid wood. Free brochure. **Goddard Mfg. Co.**

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Timber Frames — Designer, manufacturer, and builder of new oak timber-frame homes, Great Rooms, and roof systems. Also: Log homes. Call 800-247-4442. **Hearthstone Inc.**

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3016. Historical Millwork — Source of period-style millwork for a range of applications. **Hull Historical Millwork**

6320. Rope Columns and Moldings — Also, custom wood turnings. Free brochure. **JMS Wood Products**

7990. Shutters — Shutters made in both movable-louver and raised-panel styles. Authentic pegged mortise-&-tenon joinery. Both custom and traditional designs. Free brochure. **Kestrel Mfg.**

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2656. Timber-Frame Construction — Firm builds timber-frame structures in Douglas fir, oak, hemlock, pine, or cherry. **Lancaster County Timber Frames**

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2794. Lumber & Flooring — Supplier of heart pine, old-growth recycled timbers, flooring, stair treads, handrails, and cabinetry. **Northeast Millwork Corp.**

274. Embossed Moldings — Hardwood trim and moldings with embossed designs; wide selection of decorative styles and patterns. **Old World Mouldings**

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1025. Custom Timber Frames — Park pavilions, gazebos, barns, steeples, and other timber-frame structures. **Red Suspenders Timber Frames**

2687. Wooden Stair Parts — Custom wood turnings for stairs; also, porch parts, table legs, corner blocks, finials, etc. Custom furniture also available. **Redman Woodturning**

3112. Online Preservation Trades Website — RestorationTrades.Com is the online source for jobs, resources, and buyers. **Restoration Trades Exchange**

76. Balusters & Columns — For exterior uses, in a synthetic polymer/stone, appropriate for porches and balustrades. Free brochure. **Royal Corinthian**

1610. Classical Wood Columns — Wood columns from 4 to 50 in. in diameter and up to 35 ft. long. Matching pilasters and 14 styles of capitals. Maintenance-free aluminum bases available. Custom work. Free catalog. **Schwerd Mfg.**

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134. Timber Framing & Wood Supply — Kiln-dried Eastern white pine; 14- to 20-in. widths standard. Free brochure. **South County Post & Beam**

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4870. Custom Stairs — Stairways made from wood, steel, brass, stainless steel, etc. Each stairway is designed and built from scratch. Free brochure. **Stairways, Inc.**

547. Custom Stairs — Source of custom staircases, handrails, newels, and fittings, from design through fabrication to installation. **Sterling Staircase & Handrail**

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2778. Wood Flooring & Casework — Antique wood flooring in various woods. Also, wood beams, stair treads, newel posts, handrails. **T.P. Higgins Co.**

1056. Western Red Cedar Shutters — Manufacturer of fixed-louver, raised-panel, and recessed-panel shutters and shutter hardware. **Timberlane Woodcrafters**

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2753. Log Cabins & Timber Barns — Company has hand-hewn log cabins and old barns. Beams and lumber for flooring and millwork, and other architectural salvage. **Vintage Log & Lumber**

1061. Victorian Woodworks — Gingerbread, porch parts, and other interior and exterior wood parts featured in their large catalog. **Vintage Wood Works**

2673. Carved-Wood Products — Specialist in the customized replication of architectural ornaments in wood and stone; also, customized furniture. **VisionCraft**

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5240. Wood Carvings — Architectural elements including stair parts, capitals, posts, corbels. Free brochure. **Woodline Company**

DIV 7 ROOFING

403. Lead Roofing — Source for traditional, long-lasting lead roofing. Technical assistance. **American Eagle Roofing**

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410. Chimney Pots — Antique chimney pots in English and American styles: terra cotta, glazed, and unglazed. Free brochure. **Chimney Pot Shoppe**

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2502. Roofing Thatch — Firm specializes in the installation of thatch roofs. **McGhee & Co. Roof Thatchers**

2661. Wood Shingles — Source of pre-stained wood cedar shingles and pre-stained Shakertown shingle panels. **Michigan PreStain**

1346. Aluminum Roofing — Manufacturer of two aluminum roof coverings: Reinke Shake and the Reinke 3-Tab Cover. Available in seven colors and copper. **Reinke Shakes, Inc.**

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DIV 8 WINDOWS & DOORS

1248. Windows — Restoration, arched, casement, double-hung, and other styles of window. Doors and moldings, also. **Accent Architectural Millworks**

1265. Historic Restoration Windows — Custom windows and doors with AWI premium-grade construction. Replacement and storm and screen sash a specialty. **Adams Architectural Wood Products**

690. Invisible Storm Windows — Match any window shape or color; removable storm windows available inside- or outside-mounted; screen and glass panels. Fixed, magnetic, sliding, or lift-out styles. Free brochure. **Allied Window**

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1670. Builders Hardware — Door, window, cabinet, and millwork hardware. Cast window pulleys in bronze, brass, or aluminum. **Architectural Resource Center**

2930. Authentic Restoration Hardware — Largest selection of authentic 18th- and 19th-century hardware: hinges, latches, pulls, shutter hardware, and much more. Also, custom work and repairs. Free mini-catalog. **Ball & Ball**

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519. MDF Doors — Solid, one-piece MDF doors available in any design or size, with or without raised moldings. Free literature. **Bolection Door**

302. Restoration Blacksmiths — Stock and custom forged hardware, including shutter hardware in a wide range of period styles. **Brandywine Valley Forge**

8380. Bronze Hardware — Foundry makes stock & custom architectural hardware for windows and doors, in various metals. Free brochure. **Bronze Craft Corp.**

525. Building Entrances — Specialist in restoration and diagnostic surveys for ornamental monumental doors. Free literature. **Ciccone & Company**

379. Skylights & Glass Enclosures — Specialty glass products include window walls and skylights. Glass-bullet and cast-iron panel system, glass block, and glass pavers, also. **Circle Redmont, Inc.**

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1930. Restoration & Repair — Wood and metal window repair, Main St. restoration services, condition assessment, and more. **Leeds Clark Restoration**

1253. Victorian Custom Hardware — Custom castings in all metals for grilles, screens, finials, knockers, and other hardware and interior metalwork. **Leo Custom Hardware**

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3177. Custom Wood Entries — Hand-crafted architectural specialties, featuring custom doors in Honduran mahogany with custom hand-forged hardware. **McLean Woods**

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1570. Traditional & Contemporary Hardware — Suppliers of door hardware and other hardware, with 100 styles on display. **Old and Elegant Distributing**

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8430. Specialty Wood Windows — Palladians, straight, and fan transoms. Single-, double-, or triple-glazed, thin muntins. Also, solid-wood doors with insulating core. Free brochure. **Woodstone Co.**

DIV 9 FINISH MATERIALS

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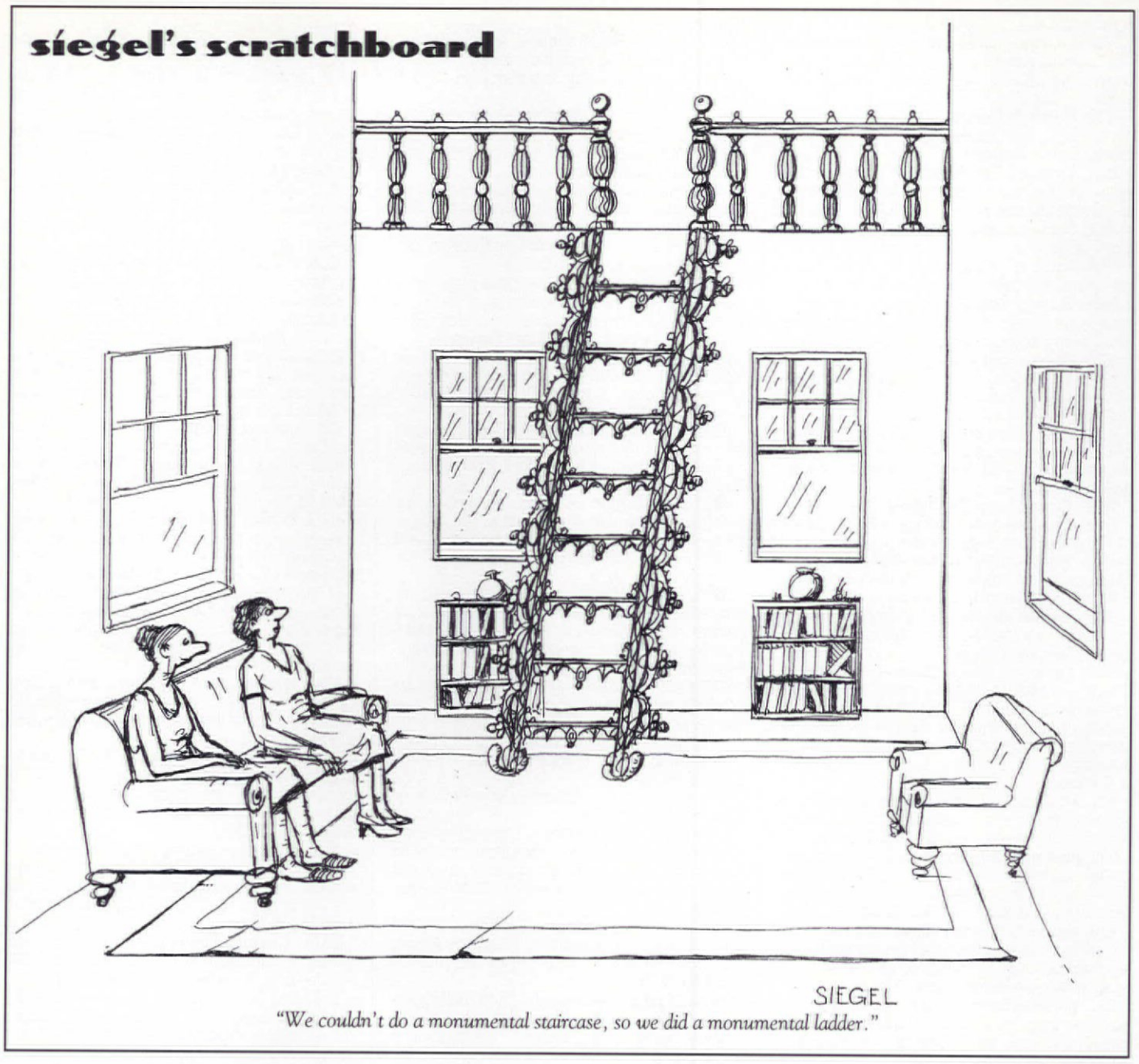
1130. Gold- & Metal-Leaf Products — Gold leaf, silver leaf, and other products and tools for gilding and decorative finishes. **Art Essentials of N.Y., Ltd.**



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2586. Patina Chemicals — Source of chemicals for patina recipes. Also, books, waxes, and other supplies for patina application. **Bryant Laboratory, Inc.**

5100. Decorative Painting — Headed by a European-trained master painter, this studio does major projects all across the country. Restoration a specialty, but also executes new commissions. Free brochure. **John Canning & Co., Ltd.**

5580. Custom Wood Flooring — Paneling and flooring in species including white pine, red oak, heart pine, Southern yellow pine, and cherry. Free brochure. **Carlisle Restoration Lumber**

451. Reinforced-Plaster Elements — Moldings, medallions, mantels, niches, and domes in reinforced plaster; also, custom restorations. **Cast Designs & Supply**

2644. Latex Compounds — Supplier of moldmaking materials, including brush-on natural latex, pourable polysulfide rubber, and pourable silicone rubber. **Cementex Latex Corp.**

1740. Antique Strip & Plank Flooring — Seven species; milled, manufactured, or salvaged. Free brochure. **Centre Mills Wrecking & Salvage**

190. Tin Ceilings — 18 patterns of tin ceilings for Victorian homes and commercial interiors. Designs from Victorian to Art Deco. Several exclusive patterns; cornices in 4-ft. lengths. Free brochure. **Chelsea Decorative Metal Co.**

8780. Antique Wood Flooring — Original antique and remilled flooring from antique recycled lumber, in chestnut, oak, white pine, yellow pine, and sugar pine. **Chestnut Specialists**

Antique-Flooring Source — Wide boards in woods including chestnut, oak, pine, and hemlock; flooring, paneling, and more. Call 860-672-4300. **Chestnut Woodworking**

1275. "Aged Enhanced" Floors — Wood flooring with an antique patina. Free brochure. **Christopher D. Hess, Inc.**

8040. Decorative Commercial Interiors — Restoration and custom work for theaters, religious buildings, etc. Painting, plasterwork, glass work. Free brochure. **Conrad Schmitt Studios**

322. Flooring — Plank, parquet, inlaid, and antique flooring; also, prefinished cork flooring. **Cordts Flooring Co.**

3081. Tile & Carved Stone — Antiqued limestone & marble, exotic slates, hand painted ceramics, stone countertops, and more. **Country Flair Tiles**

4320. Extra-Wide Boards — Pine boards for flooring or paneling in widths from 12 to 24 in., kiln dried. Wide oak flooring from 4 to 9 in. Custom moldings & millwork; dual wainscoting. Free brochure. **Craftsman Lumber**

2320. Terrazzo — Terrazzo and seamless composition-flooring installations throughout New England. Free brochure. **DePaoli Mosaic Co.**

210. Molded Ornament — Huge selection of molded ornament in plaster and compo. Wide variety of historical styles. Wood mantels also. Free brochure. **Decorators Supply**

250. Historic Tiles — For fireplaces, kitchens, or bath: coordinated borders and patterns in any size. Victorian, Neoclassic, De Morgan, Art Nouveau, Arts & Crafts, and more. Period pavers. Colorful catalog. **Designs In Tile**

1249. Plasterwork — New plaster creation and plaster restoration work. Three-coat, tinted, and Venetian plaster techniques available. **Diversified Plaster & Stucco**

2858. Run-in-Place Plaster — Traditional ornamental plaster work and plaster restoration work. Free flyer. **Donaldson Traditional Interiors**

112. Resawn Planks & Beams — Flooring, paneling, and custom millwork from recycled timbers, shipped nationwide. **Duluth Timber Co.**

1980. Gold-Leaf Products — Genuine and imitation gold-leaf materials for interior and exterior uses. Free brochure. **Easy Leaf Products**

2950. Ceiling Systems — Stock and custom flat or barrel vaults designed for installation in a standard grid. Also, lay-in or nail-up ceilings. Free brochure. **Entol Industries, Inc.**

2679. Faux-Finishing Products — Distributor of a full line of Italian plasters, glazes, and faux-related products. **European Classic Designs — Adicolor**

2460. Historic Painting — Major studio with extensive restoration and original design experience. Services range from research and analysis to trompe l'oeil, graining, and gilding. Free literature. **EverGreene Painting Studios**

2678. Historic Plasterwork — Decorative-painting experts also specialize in ornamental plasterwork, scagliola, and sgraffito, as well as conservation work. **EverGreene Painting Studios**

4690. Faux-Finishing Products — Manufacturer/supplier of water-based decorative and faux products. Also offers classes. Free brochure. **Faux Effects**

2890. Molded Ornament — Fine period & custom ornament: cornices, medallions, sculpture, niches, capitals, brackets, domes. 2,300 antique molds available. Routinely handles large jobs. Free catalog. **Felber Ornamental Plastering**

1960. Plaster Ornament — Hundreds of ornaments in fiber-reinforced plaster from Turn-of-the-Century molds. Also, custom duplication of ornament from your sample. Free flyer. **Fischer & Jirouch Co.**

4900. Flexible Molding — Also, rigid moldings, spot decorations, and simulated wood carvings for furniture, etc. Custom reproductions in polymers & polyesters available. Free brochure. **Flex Moulding, Inc.**

8980. Gilded Domes — Exterior and interior gilding and copper-patination projects nationally and overseas. Also, steeplejack services. Free brochure. **Gilders' Studio, Inc.**

2653. Metallic Powders — Source of metallic powders and pearlescent, mica, and irridescent pigments, to re-create any existing color or look of precious metals. **Gold Leaf & Metalic Powders**

3600. Glass Aggregate for Terrazzo — Manufacturer of specialty-glass products, including dalle de verre and aggregate in a variety of colors. Free brochure. **Heritage Glass**

802. Ornament & Ceiling Elements — Plaster ceiling medallions, niches, moldings, coffers, and more. Stock and custom work. Free brochure. **Hyde Park Fine Art of Mouldings**

1349. Preservation & Conservation — Firm specializes in plaster preservation and the conservation of landmarks. **Iconoplast Studios**

9510. Interior Finish Work — Faux finishing, decorative plasterwork, decorative painting, and all aspects of historic interior work, as well as custom contemporary work. Free brochure. **Intl. Fine Art Conservation Studio**

4910. Historic Pigments — Recreate the exact look of historic finishes through the use of authentic earth pigments and colors. **Kremer Pigments**

226. Bonding Agents — Surface-applied bonding agents for exterior and interior uses; acrylic admixture to modify portland cement, mortar, and plaster. **Larsen Products Corp.**

810. Interior & Exterior Gold Leaf — Gold leaf for interior and exterior gilding. Also, silver leaf, gold size, tools, and imitation gold leaf. Free brochure. **Leo Uhlfelder Co.**

2657. Decorative-Paint Products — Distributor and training center for OIKOS water-based, solvent-free decorative-paint products and polished-plaster decorative stucco. **Mac's Euro Decor**

703. Exterior Elements — Cornices, balustrades, columns, capitals, brackets, and more in polymers and cast stone. **Manor Style, Inc.**

6230. Gold Leaf & Sculpture Conservation — Gold leaf on domes, cupolas, monuments. Restoration and conservation of monuments and monumental sculpture. **Marshall Gold Leaf Studios**

2537. Plaster Ceilings — Ceilings cast in panels for easy installation; no detail work or painting necessary. Custom and stock designs available. **Master Of Plaster Finishing Systems**

55. Bamboo Flooring & Veneer — "Bamtex" flooring features interesting natural blond patterns, durability, and the hardness of hard maple. Product can be used for fine cabinetry, too. **Mintec Corp.**

7140. Heart Pine Flooring — Floors and paneling from timbers and beams salvaged from old buildings. Other species include antique American chestnut and Antique French oak. Free brochure. **Mountain Lumber Company**

861. Ornamental Metal Ceilings — Sheetmetal contractor with national restoration experience has expertise in design & installation of ornamental metal ceilings on commercial & institutional projects. **NIKO Contracting**

570. Tile & Ceramics — Custom tile & glazes. Also Batchelder and Malibu tile reproductions. 10 years' experience. Free brochure. **Native Tile and Ceramics**

2868. Cork Flooring — Natural cork products, including tiles, underlayments, and cork floor cleaning products. **Natural Cork, Ltd.**

2662. Decorative-Painting Schemes — Specialist in documenting and restoring decorative painting. Also offers faux techniques; decorative-plaster repair and replication; mural and fine-arts conservation. **New Millennium**

2691. Color Glazes — Supplier of color glazes to simulate various patinas and antiquing for all surfaces, interior and exterior. **Nikolas & Co.**

793. Ceramic Tile — Custom color matching and reproductions of antique tile; new tile designs, including Arts & Crafts-influenced relief tile. Free brochure. **North Prairie Tileworks**

5880. True Milk Paint — Eight colors of milk paint, including barn red, mustard, and Federal blue. Mix with water. **Old Fashioned Milk Paint Co.**

4790. Marquet & Inlaid Wood Floors — Using native and exotic 3/4-in. hardwoods. Free brochure. **Thomas D. Osborn Mosaic Hardwood Floors**

3150. Copper Coatings & Patinas — Four finish colors, including verdigris green, can be applied to copper or any metal, and to any interior or exterior material. Free brochure. **Patina Finishes & Copper Coats**

6360. Moldmaking & Casting Materials — Rubbers for flexible molds — brush-on or pourable. Fast durable molds for plaster, cements, and resins. Variety of casting resins. **Polytek Development Corp.**

58. Moldmaking Materials — Liquid urethanes and silicones for flexible molds and cast parts. High-quality reproductions. Free brochure. **Precision Converting**

325. Custom Ceiling Domes — Any size ceiling domes, including plaster shells and fully-finished domes; finishing options include coffered wood, pre-wired lighting, faux finishes, and murals. **Renaissance Ceiling Domes**

791. Silicones for Moldmaking — Two-part compounds for reproductions and moldmaking. Free brochure. **Rhodia VSI Silicones**

4630. Faux Finishing — Company sells water-based products, offers workshops, and accepts decorative painting and finishing commissions. Free brochure. **Ritins Studio, Inc.**

2980. Plaster Conservation — Restoration using traditional techniques and modern consolidants. Also, custom enrichment for new construction. Free brochure. **Rory Brennan**

2665. Hardwood Flooring — Source of strip, plank, and parquet hardwood flooring in various widths and wood species. **Sabra International**

6591. Bamboo Flooring & Thatch — Flooring and fencing made from bamboo is attractive, durable, and an earth-friendly choice. **Safari Thatch & Bamboo**

2880. Gold-Leaf Supplies — Gold leaf in booklets or rolls, oil sizes, Kolner burnishing clays for water gilding, imitation gold & aluminum leaves & rolls. Free brochure. **Sepp Leaf Products**

650. Architectural Molding Materials — Molding compounds can be used on-site, and are readily pourable or brushable for painting onto vertical surfaces. Free brochure. **Smooth-On**

1311. Mosaics & Murals — Studio designs and fabricates custom mosaics, murals, and furnishings for commercial clients, designers, architects, and private clients. **Snell Studio**

8450. Polymer Ceiling Tiles — Resemble tin ceilings, and fit into a suspended-grid system. Various colors and patterns available. Free brochure. **Snelling's Thermo-Vac, Inc.**

1530. Plaster Wall Repair — System combines a saturant with a fiberglass fabric that can then be painted. Free brochure. **Specification Chemicals**

9201. Pressed Metal Ceilings — Ornamental metal specialist designs and installs a wide range of sheetmetal ceilings on both commercial and residential projects. **Steptoe & Wife**

5620. Patinas & Chemicals — Chemicals for the coloring of metals. Large selection of colors available. Free literature. **Sur-Fin Chemicals**

2490. Gilding Materials — 100-year-old company specializes in gold and silver leaf; used in historic restoration and decoration. Available in surface, glass, patent, and roll gold forms. Free brochure. **Swift & Sons**

2790. Custom Ceramics — for historic restoration, hearths, church work, and more. Relief tiles, mosaics, murals, and one-of-a-kind designs. Free brochure. **Terra Designs**

922. Venetian Plaster — Architectural surfaces and surfacing processes. Also, workshops on these techniques, including Venetian plaster. **The TexSton Company**

5600. Wide-Plank Flooring — Mills new and antique. Also, stair parts, molding, and associated specialty millwork products. Free brochure. **The Woods Co.**

2846. Encaustics — Floor and wall tile, including encaustics and reproduction encaustic tile. Free brochure. **Tile Source**

520. Sheetmetal Ceilings & Ornament — Richly ornamented metal ceilings, from original Turn-of-the-Century dies. Also, exterior cornices and hundreds of sheetmetal ornaments. Free catalog. **W.F. Norman**

399. Metal Leaf Products — Gold leaf, silver leaf, aluminum leaf, and other gilding products and supplies; from Germany, Italy, and the U.S. **W.H. Coe, Inc.**

8900. Gold & Silver Leaf — Gilding supplies, gold, silver, and imitation leaf, available in packs, rolls, or books. Free brochure. **Wehrung & Billmeier**

DIV 10 SPECIALTIES

790. Wood & Metal — Complete selection of cupolas from painted white pine, redwood, red cedar, or metal with pagoda, bell, or hip roofs. **Allen Cupolas**

3230. Bird and Pest Repellants — Non-toxic chemical roost-inhibitors, visual and sound pest-in-

hibitors, barriers, and more. **Bird-X Inc.**

7130. New & Old Bells — Cast-bronze bells are bought and sold by the country's largest dealer of pre-owned bells for churches, towers, etc. Free brochure. **Brosamer's Bells**

1361. Brass Flagstaff Holders — Solid-brass, machined flagstaff holders are precision-engineered for a variety of applications and mounting surfaces. Free brochure. **Chaenomeles, Inc.**

179. Enamel Signage — Porcelain enamel signs, plaques, and displays; plaques of the style used by some English heritage registry sites. **Classic Design Studio**

2522. Classic Plasterwork — Studio designs, manufactures, and installs plaster ornament as well as providing finishing painting. **Classic Plaster Studios**

107. Weathervanes, Cupolas, & Finials — Extensive catalog with a large selection of weathervanes and roof ornament; custom design and crafting available. **Crosswinds Gallery**

9100. Architectural Stone Carving — Skilled carvers and sculptors create statuary, ornament, mantels, entrances, and architectural moldings. Reproductions in marble, limestone, or bronze. Free brochure. **DMS Studios**

5530. Plaques & Signs — Foundry has cast-aluminum and cast-bronze plaques, National Register plaques, and custom tablets. **Healy Brothers Foundry**

3046. Wall Protection Systems — Corner protectors for walls — ADA-mounted systems. **Koroseal Wall Protection Systems**

8730. Historic Markers & Castings — Many patterns and styles to choose from in cast aluminum and cast bronze. Also, custom ornamental castings. Free literature. **Lake Shore Industries**

5390. Architectural Mantels — French tradition, from Gothic to contemporary. Products include fountains, columns, moldings, benches, etc. Free brochure. **Limestone Concept**

1264. Cupolas, Vents, Louvers — Stock or custom cupolas and vents. Finials, spires, and weathervanes in many shapes and sizes. **New Concept Louvers**

370. Pigeon Control — Get rid of bird pests with inconspicuous stainless-steel needles that eliminate roosts — without harming the building. Humane and practical. Free flyer. **Nixalite**

282. Cast-Stone Mantels — New line of fireplace mantels; technical assistance for installations. **Old World Stoneworks**

9067. Cast-Stone Mantels — That look and feel like cut limestone. Free brochure. **Stone Magic Mfg.**

DIV 12 ARTWORK/FURNISHINGS

2692. Stained-Glass Panels — Studio fabricates hand-crafted stained-glass panels; also restoration of antique art-glass frames and panels. **A Touch Of Glass**

2694. Mosaics — Marble and glass mosaics; limestone mantels, balustrades, and more. Free brochure. **ASN Natural Stone**

2686. Antique Stained Glass — Studio restores antique stained glass and designs and fabricates museum-quality reproductions. Also, antique windows restored and sold. **Adams Morgan Stained Glass**

902. Murals — Venetian mosaics, murals, and artworks. Also, interior-lighting design services. **Architectural Features**

2510. Custom Art Glass — Hand-beveled-, stained-, and etched-glass windows, screens, and tables for residential and commercial installations. Free literature. **Art Glass of the South**

2695. Art Glass — Custom-designed beveled, etched, stained, leaded, and engraved glass. **Art of Glass**

1086. Custom Stained Glass — Leaded and etched glass from this stained glass studio. **Artique Glass Studio**

1009. Carved Architectural Elements — Can replicate carving and sculpture, garden elements in any material and size. Free brochure. **B&H Art in Architecture, Ltd.**

2580. Stained Glass — Designs, fabricates, and installs stained-glass windows. Also offers repair, insurance appraisals, consultation, and protective covering. Free brochure. **Burnham & LaRoche Associates**

2856. Custom Art Glass — Commercial and residential art glass available from this studio. **Cain Architectural Art Glass**

688. Full-Service Glass Fabricator — Full-service art-glass fabricator. Carved, fused, stained, etched, and painted glass for a range of projects. **Carvart Glass, Inc.**

2693. Decorative Painter — Artist specializes in fine art and trompe l'oeil. Call 954-583-1728. **Charles Scheel Studios**

237. Forged Furniture and Accessories — Hand-forged beds, tables, lamps, and other furnishings for hotels, lobbies, commercial and residential spaces. **Christopher Thomson Ironworks**

3139. Monument Preservation — Studio conserves monuments and sculpture. Also, metal restoration and cleaning. **Conservation Solutions**

2812. Stained Glass — Portfolio includes abstract and figurative windows, screens, and panels in a wide range of techniques. **DAB Studio, L.L.C.**

3165. Mural Artist — Mural specialist works worldwide, creating site-specific paintings for individuals and corporations. **Elizabeth Thompson**

126. Foundry Work — Ceramic-shell casting, sand-casting, and fabrication of elements including fountains, sculpture, architectural elements. **Joel Meisner & Co.**

1312. Mosaics & Tiles — Studio creates figurative and naturalistic mosaics in semi-precious stone, marble and granite, smalti, and ceramic. Also, ceramic tile; mosaic tabletops. **Equipment Of Culture**

2651. Decorative & Fine Arts — Studio offers a full range of fine and decorative art. **Erwin Art, LLC**

150. Custom Wine & Cigar Cellars — Specialists in wine- and cigar-cellar design, specification, and assembly. Clients worldwide. **Fine Wine Rack & Cellar Co.**

183. Mosaics — Glass, porcelain, and glazed tiles; ceramic murals; wall, floor, and pool mosaic projects; period and contemporary. **Fishman Mosaics**

4770. Murals & Trompe L'Oeil — On site or on canvas; also, consultation, design. Wide range of clients. **Grand Illusion**

2527. Trompe L'Oeil Murals — Studio specializes in trompe l'oeil murals for the hospitality market. **Guided Imagery**

2658. Cast-Bronze Sculpture — Sculptor Mark Hopkins works in sizes from miniature to monumental. Subjects include Native Americans, wildlife, sports, and children. **Hopkins Sculpture**

2668. Stained Glass — Studio designs, fabricates, and installs stained glass; also provides repair and restoration services. **Judson Studios**

2536. Decorative-Painting Studio — Decorative-painting and faux-finishing studio specializes in theaters and commercial work. **Kelly S. King Institute of Decorative Finishes**

612. Create & Restore Leaded Glass — Studio provides design through installation in Victorian leaded glass projects. Restoration work, as well. **J&R Lamb Studios**

1267. Glass Dome Ceilings — Specialists in making art glass dome ceilings with top-quality steel frames. **Larry Etzen Studio**

4730. Wheel-Cut Art Glass — Custom wheel-cut glass for residential and commercial interiors. Free brochure. **Lehmann Studios**

9480. Leaded Glass — Custom art glass for residential, commercial, and liturgical projects. **Leone McNeil Art Glass**

1034. Ornament & Sculpture — Firm designs interior and exterior artwork in metal, wood, and a variety of other materials. **LepoWorks, Inc.**

2501. Antique Wooden Bars — Supplier of authentic, Turn of the Century, solid-wood bars and backbars; also, French bistro bars. **New York Bars & Backbars**

422. Art Glass — Studio works on all phases of art-glass design and installation; etched, stained, etched, and beveled glass. **Ottolini Studios**

208. Interior & Exterior Murals — Studio can create and install large-scale murals and trompe l'oeil in exterior and interior settings; exterior murals use Keim paints. **G. Byron Peck Studios**

813. Mosaic & Stained Glass — Art projects, including mosaics, stained glass, and sculpture for religious buildings, cemeteries, and commercial spaces. **Conrad Pickel Studio, Inc.**

251. Murals & Trompe L'Oeil — Muralist works with designers and clients to create murals for public, corporate, and private spaces. Free brochure. **Pugh Painting Studios**

7930. Stained-Glass Studio — Major studio designs and fabricates art-glass panels for residential and commercial buildings. Skilled in restoration and conservation of stained-glass domes. Free brochure. **Reflection Studios**

6240. Stained Glass — Designs, fabricates, and restores stained and leaded, faceted, beveled, and etched glass panels. Free brochure. **Rohlf's Stained Glass Studio**

4710. Trompe L'Oeil & More — Murals, intricate stenciling, glazing, graining, etc. Specializes in re-creation of historic ornament. Free brochure. **Lynne Rutter Decorative Painting Studio**

2666. Decorative Art Glass — Traditional and contemporary art glass. Specialize in custom church windows. **Salem Art Glass**

2507. Faux Painting — Decorative-painting studio produces traditional murals, faux-inlaid-wood floors, tinted plaster finishes, and other specialty painting. **Simes Studios**

2667. Art-Glass Studio — Fine custom glass; stained, leaded, hand-painted, etched glass; hand-beveling; historic glass restoration and conservation. **Stanton Glass Studio**

2683. Full-Service Glass Studio — Heat-molded architectural art glass with relief design and textures in the glass; commercial, residential, hospitality, and health-care applications. **UltraGlas, Inc.**

2671. Art-Glass Studio — Studio specializes in art glass: bevel, fusing, painted, lead copper, foil. Also teaches industrial courses. **Verite Stained Glass**

2672. Mural Studio — Studio specializes in mural painting and trompe l'oeil. Also offers faux-finishing workshops worldwide; line of water-based paint products and artists' materials. **Vigini Studios**

2910. Wine Racks & Cellars — Custom work for hotels, restaurants, and custom homes. Free brochure. **Wine Cellar Innovations**

DIV 14 LIFTS & ELEVATORS

9980. Dumbwaiters, Lifts, & Elevators — A wide variety of lifting products for residential applications. Free brochure. **Inclinator Co. of America**

DIV 15 PLUMBING & BATH

5860. Victorian Hardware — Turn-of-the-Century door hardware and brass bathroom fixtures and accessories. Free catalog. **Bathroom Machineries**

3760. Hardware & Bath Accessories — Tubs, toilets, bidets, faucets, and other reproduction period hardware and plumbing accessories. Free brochure. **Kolson, Inc.**

DIV 16 LIGHTING

2240. Carbon-Filament Bulbs — Authentic carbon-filament bulbs furnish the finishing touch for period light fixtures. Free brochure. **AAMSCO Lighting**

923. Fine Iron Lighting — Original and reproduction lighting, including chandeliers, pendants, sconces, and exterior lighting. **Academy Lamps**

Mexican Lighting & Architectural Items — New and salvaged products ranging from hacienda doors to antler light fixtures. Call: 818-508-0993. **Arte De Mexico**

517. Lighting Restoration — Antique fixtures restored; retrofitting with more energy-efficient bulbs. Also, lighting design and fabrication. **Aurora Lampworks**

60. Reproduction Lighting — Hand-crafted 18th- and 19th-century lighting fixtures: chandeliers, sconces, and table lamps — all of solid brass. Free catalog. **Authentic Designs**

7660. Historic Lighting — Vast selection of highest quality lighting reproductions, from 18th through early-20th century: residential, commercial, and institutional. Standard and custom designs. Free catalog. **Ball & Ball**

8890. Period Lighting — Solid-brass Mission/Prairie and Victorian lighting in a variety of finishes. Original prismatic exterior lights in many sizes. Free literature. **Brass Light Gallery**

2642. Brass Lighting — Maker of solid-brass lighting; Victorian and Turn-of-the-Century styles a specialty. Custom fixtures with different finishes available. **Brass Reproductions**

2809. Lighting Systems — Design and equipping of lighting for historic interiors or special applications. Restoration or replication of lighting. **Capitol Lighting & Restoration**

4850. Push-Button Switches — Light switches with plain or ornamented brass and wooden plates. Also, brass molding hooks, decorative tassels, and carbon-filament Victorian bulbs. **Classic Accents, Inc.**

5970. Victorian Lighting — Authentic, handcrafted, solid-brass Victorian and Early 20th century lighting including Art Deco, and Craftsman collection. Gas and electric chandeliers, sconces, lamps. Free brochure. **Classic Illumination**

620. Ceiling Fixtures — Solid brass ceiling fixture with hemispherical frosted glass globe looks like period Art Deco light. Also in polished chrome. Custom work. **Conant Custom Brass Lighting**

2882. Alabaster & European Styles — Interior lighting imported from manufacturers in Italy, Spain, and Germany, including alabaster fixtures. **Concord Lighting Co.**

Lighting & Weathervanes — Lighting for interior & exterior, including sconces in Leadtex for the tin look in old designs. Copper weathervanes and cupolas also available. Call 800-281-9798. **Copper House**

1021. Church Lighting — Specialists in planning, design, and fabrication of church lighting equipment for all architectural styles and budgets. **Craft Metal Products Inc.**

1370. Crystal Chandeliers — Also, brass lighting, sconces, and pendants; custom sizes and styles. Many period styles. Free brochure. **Crystorama**

809. Custom Lighting — Hand-crafted fixtures in wood, tin, brass, or copper. Styles include Colonial, traditional, and transitional lighting. **Deep Landing Workshop**

2534. Architectural Lighting — Manufacturer of architectural lighting and lamps. **Derek Marshall Lighting**

2040. Electric Candles & Flame-like Bulbs — Electric wax candles, candle covers, and bulbs for antique, traditional, and other types of lighting fixtures. **Elcanco, Ltd.**

483. Custom Lighting — Hand-crafted, traditionally styled iron and brass lighting. Catalog $5, refundable with order. **Handelman Studios**

9130. Lighting Fixtures & Accessories — Manufacturer of cast light fixtures, posts, bollards, street furniture, antique fence posts, and street clocks. Custom sand casting. Free brochure. **Herwig Lighting**

2897. Lighting Design — Firm specializes in designing lighting systems for historic buildings. **Historic Preservation & Illumination**

1210. Custom Casting & Lighting — Custom-cast architectural ornament in iron, aluminum, and bronze. Works from your specs or will create designs for your approval. Free brochure. **Historical Arts & Casting**

5280. Victorian Chandeliers — Solid-brass chandeliers and sconces with Venetian crystal; traditional crystal chandeliers. Free brochure. **King's Chandelier Co.**

5090. Reproduction Lighting — Colonial reproduction light fixtures in copper, brass, tin, and iron. Post lanterns, wall lanterns, chandeliers, and candlestands. Custom work. Free brochure. **Lighting by Hammerworks**

3111. Architectural Lighting — Designer and manufacturer of traditional chandeliers, sconces, table lamps, and floor lamps; wide range of customized finishes. **Lucid Lighting**

336. Vintage Lighting — Table lamps, sconces, chandeliers, and bridge lamps. Also, original designs in cast brass. Free brochure. **Luminaria**

5870. Arts & Crafts Lighting — Handcrafted interior lighting in the Arts & Crafts style, including sconces, floor and table lamps, and lanterns. Free brochure. **Mica Lamp Co.**

2663. Commercial Lighting — Designer and manufacturer of custom architectural lighting and related metal fabrication in bronze, stainless steel, brass, and aluminum. **NYCK, Inc.**

2512. Commercial Lighting — Custom-made lighting in stainless and bronze for commercial projects. Also, imported antique and reproduction chandeliers and sconces. **New Metal Crafts**

5380. Historic Lighting — Interior and exterior lighting in solid brass and bronze, in all traditional styles. Free brochure. **New York Gas Lighting Co.**

800. Lanterns & Sconces — Large selection of Early American lanterns, sconces, and chandeliers for indoor and outdoor use. Constructed from solid copper and brass. Catalog free to professionals. **Newstamp Lighting**

2664. Hand-Crafted Lighting — Source of hand-crafted 18th-century lighting for interior and exterior applications; also, lanterns. **Olde Mill Lighting Co.**

4360. Authentic Reproduction Lighting — Art Deco and other Turn-of-the-Century lighting fixtures cast directly from original fixtures. Also, antique fixtures. **Original Cast Lighting**

1045. Glass Lighting Shades — Wide range of shapes and styles of glass shades imported from France. Also works on custom projects. **Otteson Co.**

926. Artistic Lighting Fixtures — Ornate, period style chandeliers, sconces, and other lighting fixtures. **Victor S. Pearlman, Inc.**

2688. Chandeliers, Sconces, Etc. — Source of high-end, traditional and European-style lighting; crystal is a specialty. **Pecaso Lighting**

301. Lighting In 17th- To 19th-C. Designs — Handmade chandeliers, sconces, and lanterns in styles from the 17th, 18th, and 19th centuries. **Period Lighting Fixtures, Inc.**

7630. Victorian & Craftsman Lighting — Reproduction chandeliers & sconces appropriate for residential, commercial, or government interiors. Historically accurate; solid brass or cast iron. Free brochure. **Rejuvenation Lamp & Fixture**

2885. Antique & Reproduction — Custom, historic, and commercial lighting design and restoration. Design of reproduction lighting. **Renaissance Antique Lighting**

430. Vintage Lighting — Victorian and Turn-of-the-Century chandeliers and sconces: Gas, oil, and electric. Antique and reproduction fixtures; replacement parts and glass shades. Free catalog. **Roy Electric**

3002. Crystal Chandeliers — Crystal chandeliers and other crystal lighting fixtures; over 500 traditional and contemporary designs. Custom work available. **Schonbek Worldwide Lighting**

6190. Period Lighting — Authentic handcrafted brass reproduction ceiling fixtures, sconces, and lamps. Gas, electric, and combination fixtures from 1880 to 1930. Custom work. Free catalog. **St. Louis Antique Lighting Co.**

8260. Wrought Metal Lighting — Wrought iron lanterns, chandeliers, sconces, and original designs produced at this studio. Free brochure. **Studio Steel**

5030. Arts & Crafts Fixtures — Custom-designed sconces, lamps, and chandeliers in hammered copper and mica. Residential and commercial. Free brochure. **V. Michael Ashford Evergreen Studios**

3730. Victorian Lighting Fixtures — Authentic reproduction Victorian and Turn-of-the-Century electric and gas chandeliers and wall brackets. Variety of glass shades. Catalog free. **Victorian Lighting Works**

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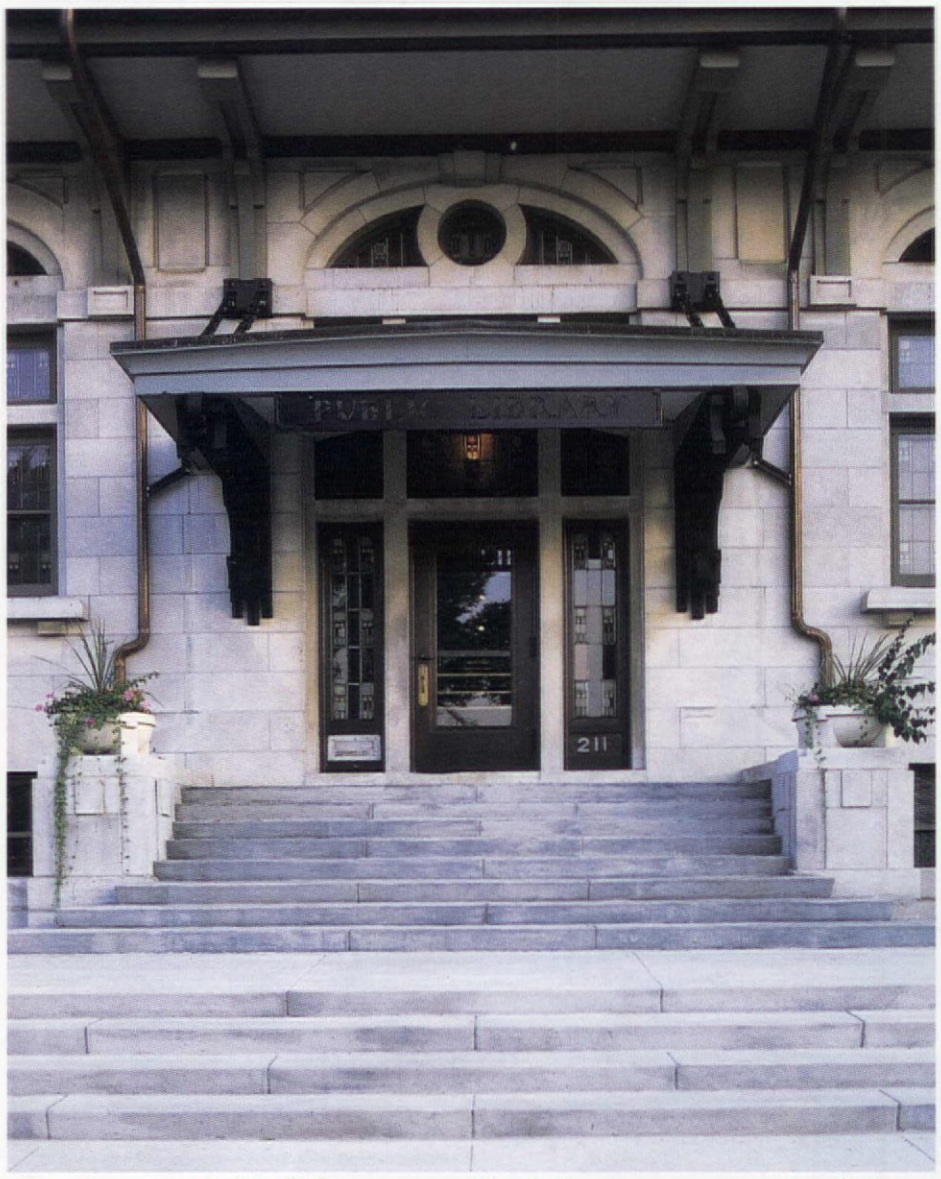
PROJECT: PITTSBURGH PUBLIC LIBRARY, PITTSBURGH, KAN.

ARCHITECT: GLPM ARCHITECTS, INC., LAWRENCE, KAN.

The Pittsburgh Public Library is significant for its architecture, as well as the history associated with the Carnegie library legacy. Andrew Carnegie acquired his fortune in the 1870s and '80s in the steel industry; his philanthropy earned him the appellation, "patron saint of libraries." Between 1886 and 1919, he gave money to erect free public libraries in 2,509 communities.



The primary restoration challenge presented by the front entrance was re-installation of the limestone steps. Other measures included waterproofing the basement and installing a drain system.

The new addition to the library (see part of the original structure on the left) was clad in cast stone as it both fit budget constraints and was sympathetic to the original limestone cladding. The Arts & Crafts-inspired signage was also cast into the building.

Above: The original reading room was designed with skylights that had been covered up with multi-tiered stacks. GLPM reopened those skylights. The lighting fixtures (pendants and sconces) were designed to match those in archival photos.

Left: All of the archways are original, however GLPM added the doorway and sidelites to provide security and privacy to the reading room. The glasswork is reminiscent of the Prairie style, appropriate to the 1912 structure.

The Pittsburgh Public Library dates from 1910 and was designed in the Prairie style of architecture by Grant C. Miller of the Chicago firm Patton & Miller. A student of Frank Lloyd Wright, Miller and his partner popularized Wright's Prairie style of design for almost 70 Carnegie libraries within the Midwest region. As with many historic structures, modern technology and limited space ultimately led the Pittsburgh community to debate the need for a new and modern library facility. The library board unanimously voted to abandon the historic building in favor of a new facility, but the preservation community quickly stepped in and voiced its opinion that the board should renovate and expand instead.

After a community-based committee was formed to evaluate the controversial project, a bond issue was passed to fund renovation, restoration, and expansion of the original structure. The program developed by GLPM Architects, Inc., included exterior and interior restoration, as well as an architecturally respectful addition.

Exterior work on the original building entailed repairing the clay-tile roof along with its copper ornamentation; repointing the Carthage limestone exterior; reinstallating the front entry steps; and repairing the original wooden windows. The original interiors have been restored, and the floor plan has been retained. Two new wood and glass partitions were designed to provide security and privacy for special occasions and lecture/study spaces. A non-original steel mezzanine was removed, and historic skylights were uncovered and restored. Finishes compatible with the style of architecture complete the overall look.

The new addition more than doubles the size of the original Carnegie library. The Secretary of Interior's Standards for Rehabilitation were strictly followed. The addition gracefully merges with the scale, proportion, and color of the historic building yet maintains its own identity. The use of compatible masonry and interpretive ornamentation provides a link to the older building, as do the tile roofing, deep overhangs, and other vernacular elements. ■

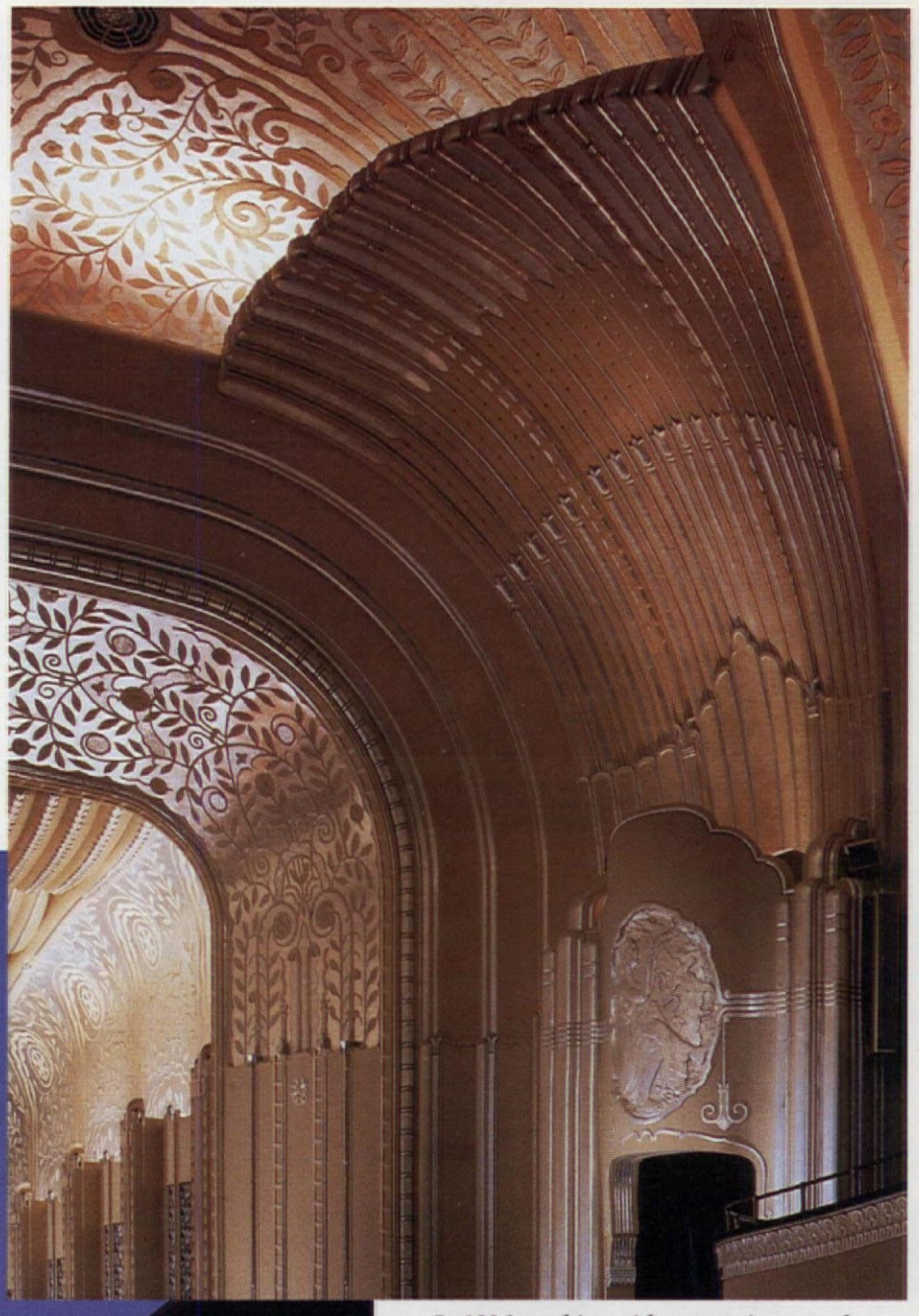
SCHWARZ, continued from page 26

shopping, services, restaurants, and recreation areas around the outside of a baseball park, the idea is the same: drive once, do more.

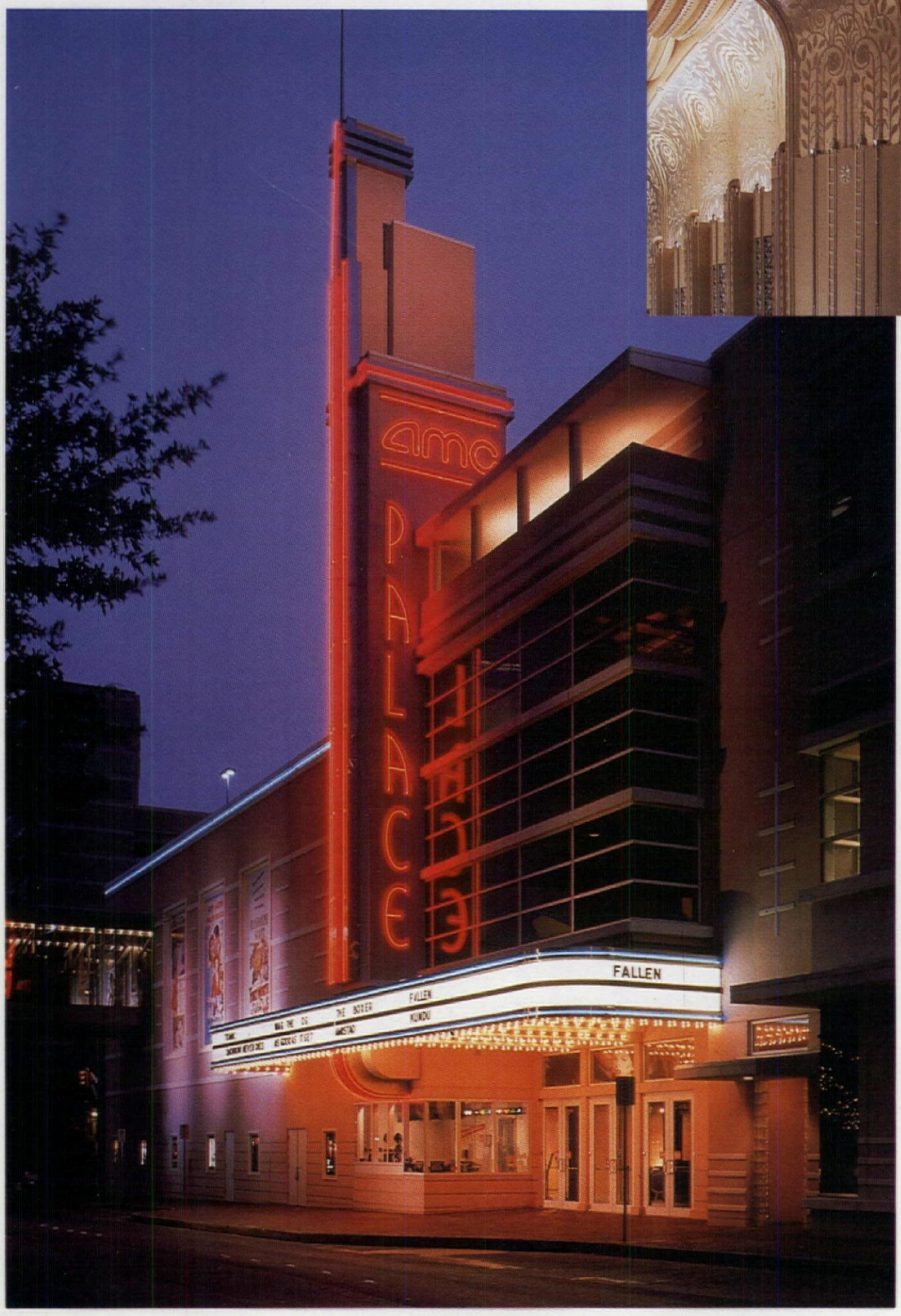
The Game

The Ballpark at Arlington, home to the Texas Rangers, is a prefect summation in brick, limestone, and Texas granite of the principles that drive David M. Schwarz Architectural Services. The firm won the commission in a nationwide competition. Its scheme included a quintessential "ballpark" reminiscent of the old-time urban ballparks, but with serious touches of Texas thrown in. However, what probably won the commission was the firm's intention to put a lot more than an asphalt sea around the 49,300-seat ballpark. The Schwarz scheme suggested an optimistic 300-acre development that has the necessary 16,000 parking spaces, but also a park with a 12-acre lake, trails for running and biking, picnic grounds, a little-league diamond, an amphitheater, specialty retail, an office complex, and more.

The Ballpark is a building that works well. The amenities are certainly not old-time: lofty, jam-free concourses, hundreds of concession stands, "potty parity" (more women's restrooms than men's), a picnic area beyond the outfield, and even cup holders. Bottom-line necessities like the 120 luxury sky boxes and a 16,000-sq.ft. office/retail building at center field were skillfully designed to be almost invisible. The sky boxes are shadow-like inserts between decks of "everyman" seating, and the four-story commercial building is artfully screened by decorative steel balconies when viewed from the field. And the beer, pumped through plastic tubing from central beverage nodes — as far as 500 ft. — is cold.



In 1996, working with restoration consultant Sonya Winner Smith, the firm oversaw restoration and renovation of Severence Hall, performance venue for the Cleveland Orchestra. In addition to restoring the delicate, silver-toned detail throughout the auditorium, the project added 40,000 sq.ft. to the rear of the building in a nearly seamless expansion of the original Walker and Weeks design. The addition provides expanded and improved facilities for backstage, administrative, and storage activities, as well as new communications technologies. *(Photo: Steve Hall/Hedrich Blessing Photography)*



The Palace, a nine-screen cinema, is part of a new, full-block building in downtown Fort Worth, designed by David M. Schwarz Architectural Services. The design team distinguished the movie house from the rest of the block by using Streamline Moderne facade details and a sidewalk box office. *(Photo: Jim Hedrich/Hedrich Blessing Photography)*

The Ballpark makes good on Schwarz's promise of architecture that not only meets the economic and programmatic requirements of each client, but an architecture that respects and enriches the experience of the passive user. A bit of nostalgia in a burgeoning, nondescript exurbia; parklands to temper a sea of cars; whimsical exterior details that sing Texas pride — they are all signs that Schwarz has not shorted those who experience his architecture as a function of proximity, not necessarily purpose.

The Ballpark was truly designed as a place to bring people together. Schwarz wants to design places that bring people together in a way that allows them to create a community and forge memories. An American ballpark is the perfect opportunity for testing his success. "A building is a frame for memory," Schwarz says. "When people remember, they bring an image to mind; and while the picture can be a beautiful memory, if it is in a marvelous frame, it somehow makes the picture more special."

It's been a sellout season. ■

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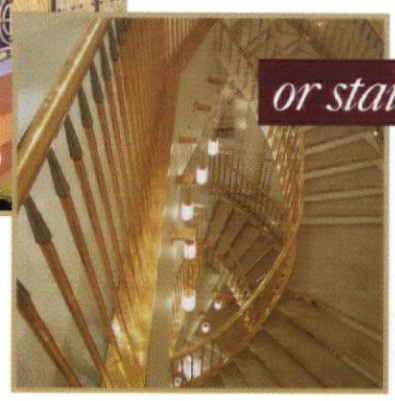

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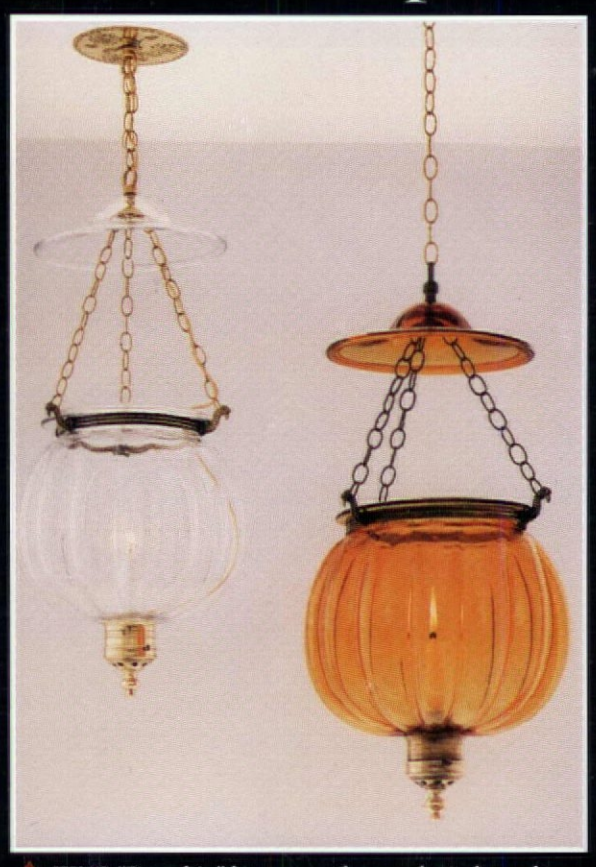

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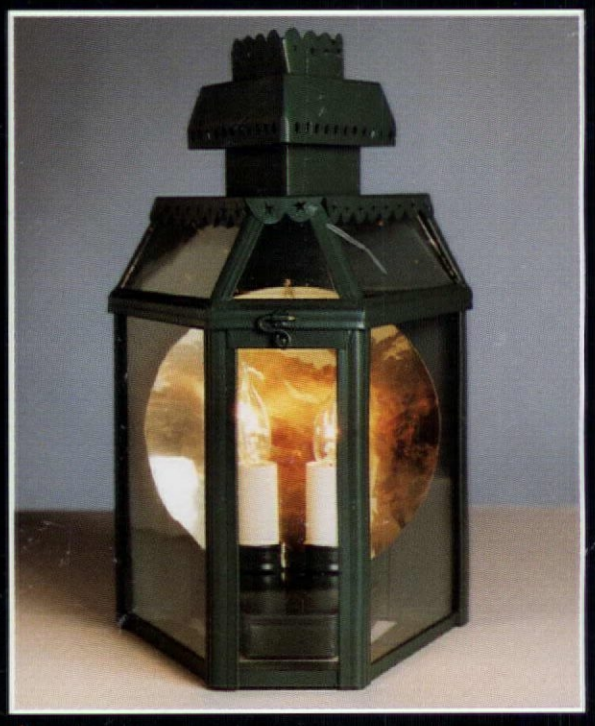

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